2014 Obesity Data Deck

Chronic Disease Epidemiology Section

Epidemiology Branch

Center for Public Health Practice

Chronic Disease Branch

Center for Health Advancement

Arkansas Department of Health

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Brief Contents

Acronyms

- BRFSS - Behavioral Risk Factor Surveillance System

- YRBS - Youth Risk Behavior Survey

- ACHI - Arkansas Center for Health Improvement

- YTS - Youth Tobacco Survey

- PedNSS – Pediatric Nutrition Surveillance System

Contents

SECTION I.   INTRODUCTION

Obesity Data Deck

- Purpose

  To provide a comprehensive set of charts describing multiple impacts of **overweight and obesity** in Arkansas with selected U.S. comparisons.
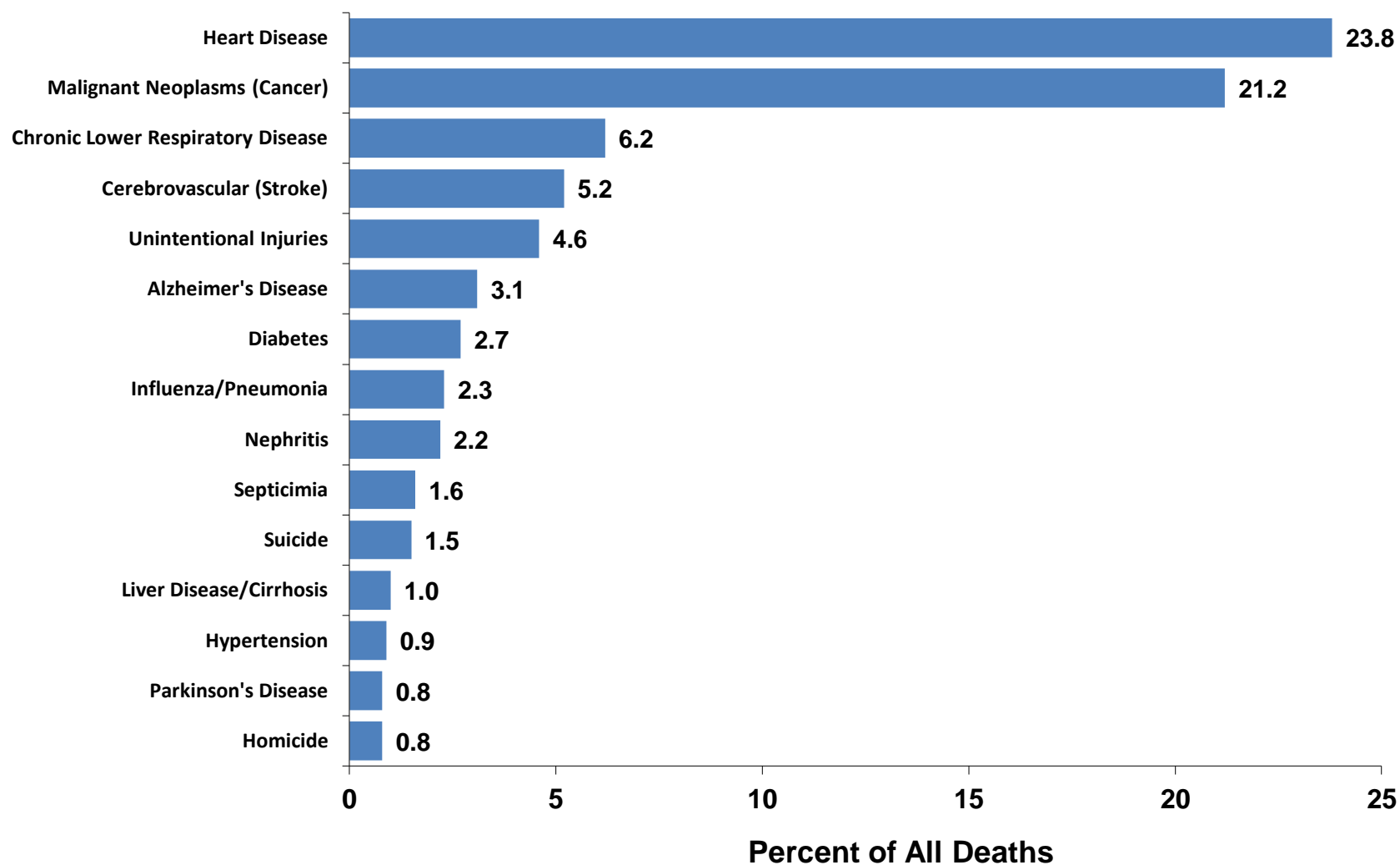
- Burden

  Being overweight or obese increases a person's risk for developing various adverse health conditions, many of which are included in this data deck.

Health Consequences of Overweight and Obesity

- Coronary heart disease
- Type 2 diabetes
- Cancers (endometrial, breast, and colon)
- Hypertension (high blood pressure)
- Dyslipidemia (for example, high total cholesterol or high levels of triglycerides)
- Stroke
- Liver and Gallbladder disease
- Sleep apnea and breathing problems
- Osteoarthritis (a breakdown of cartilage and bone within a joint)
- Gynecological problems (abnormal periods, infertility)

Source: Centers for Disease Control and Prevention

Fifteen Leading Causes of Death (All Ages) Arkansas, 2012

Cause	Percent of All Deaths
Heart Disease	23.8
Malignant Neoplasms (Cancer)	21.2
Chronic Lower Respiratory Disease	6.2
Cerebrovascular (Stroke)	5.2
Unintentional Injuries	4.6
Alzheimer's Disease	3.1
Diabetes	2.7
Influenza/Pneumonia	2.3
Nephritis	2.2
Septicimia	1.6
Suicide	1.5
Liver Disease/Cirrhosis	1.0
Hypertension	0.9
Parkinson's Disease	0.8
Homicide	0.8

Percent of All Deaths

Source: Arkansas Health Statistics Branch (provisional data)

BMI Calculation

- Body Mass Index (BMI)

$$= \left(\frac{weight\ in\ pounds}{(height\ in\ inches)x(height\ in\ inches)} \right) x\ 703$$

or

$$= \frac{weight\ in\ kilograms}{(height\ in\ meters)x(height\ in\ meters)}$$

Standard Weight Classification Categories for Adults

BMI	Weight Classification
Below 18.5	Underweight
18.5-24.9	Healthy weight
25.0-29.9	Overweight
30.0 and Above	Obese

BMI Table for Adults

Body Mass Index Table

	Normal						Overweight					Obese										Extreme Obesity														
BMI	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Height (inches)															Body Weight (pounds)																					
58	91	96	100	105	110	115	119	124	129	134	138	143	148	153	158	162	167	172	177	181	186	191	196	201	205	210	215	220	224	229	234	239	244	248	253	258
59	94	99	104	109	114	119	124	128	133	138	143	148	153	158	163	168	173	178	183	188	193	198	203	208	212	217	222	227	232	237	242	247	252	257	262	267
60	97	102	107	112	118	123	128	133	138	143	148	153	158	163	168	174	179	184	189	194	199	204	209	215	220	225	230	235	240	245	250	255	261	266	271	276
61	100	106	111	116	122	127	132	137	143	148	153	158	164	169	174	180	185	190	195	201	206	211	217	222	227	232	238	243	248	254	259	264	269	275	280	285
62	104	109	115	120	126	131	136	142	147	153	158	164	169	175	180	186	191	196	202	207	213	218	224	229	235	240	246	251	256	262	267	273	278	284	289	295
63	107	113	118	124	130	135	141	146	152	158	163	169	175	180	186	191	197	203	208	214	220	225	231	237	242	248	254	259	265	270	278	282	287	293	299	304
64	110	116	122	128	134	140	145	151	157	163	169	174	180	186	192	197	204	209	215	221	227	232	238	244	250	256	262	267	273	279	285	291	296	302	308	314
65	114	120	126	132	138	144	150	156	162	168	174	180	186	192	198	204	210	216	222	228	234	240	246	252	258	264	270	276	282	288	294	300	306	312	318	324
66	118	124	130	136	142	148	155	161	167	173	179	186	192	198	204	210	216	223	229	235	241	247	253	260	266	272	278	284	291	297	303	309	315	322	328	334
67	121	127	134	140	146	153	159	166	172	178	185	191	198	204	211	217	223	230	236	242	249	255	261	268	274	280	287	293	299	306	312	319	325	331	338	344
68	125	131	138	144	151	158	164	171	177	184	190	197	203	210	216	223	230	236	243	249	256	262	269	276	282	289	295	302	308	315	322	328	335	341	348	354
69	128	135	142	149	155	162	169	176	182	189	196	203	209	216	223	230	236	243	250	257	263	270	277	284	291	297	304	311	318	324	331	338	345	351	358	365
70	132	139	146	153	160	167	174	181	188	195	202	209	216	222	229	236	243	250	257	264	271	278	285	292	299	306	313	320	327	334	341	348	355	362	369	376
71	136	143	150	157	165	172	179	186	193	200	208	215	222	229	236	243	250	257	265	272	279	286	293	301	308	315	322	329	338	343	351	358	365	372	379	386
72	140	147	154	162	169	177	184	191	199	206	213	221	228	235	242	250	258	265	272	279	287	294	302	309	316	324	331	338	346	353	361	368	375	383	390	397
73	144	151	159	166	174	182	189	197	204	212	219	227	235	242	250	257	265	272	280	288	295	302	310	318	325	333	340	348	355	363	371	378	386	393	401	408
74	148	155	163	171	179	186	194	202	210	218	225	233	241	249	256	264	272	280	287	295	303	311	319	326	334	342	350	358	365	373	381	389	396	404	412	420
75	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	279	287	295	303	311	319	327	335	343	351	359	367	375	383	391	399	407	415	423	431
76	156	164	172	180	189	197	205	213	221	230	238	246	254	263	271	279	287	295	304	312	320	328	336	344	353	361	369	377	385	394	402	410	418	426	435	443

Source: Adapted from *Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults: The Evidence Report.*

How to Interpret BMI for Children

- Interpretation for children's BMI takes into account height and weight measurements, sex, and age.

- CDC recommends that health care providers use the growth standards for infants, children, and adolescents in the U.S.
  - Ages 0 to 2 years: WHO growth standards
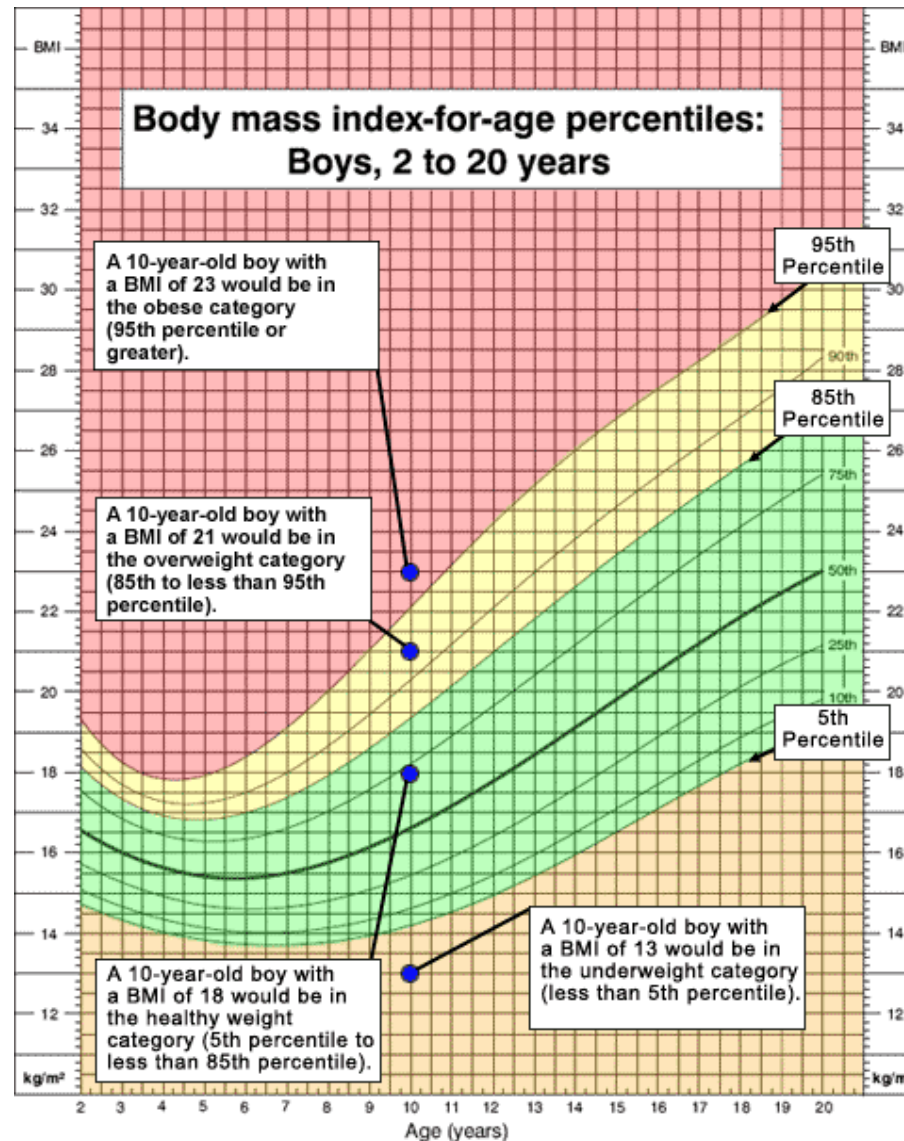 - Ages 2 years and older: CDC growth charts

World Health Organization (WHO) growth charts: http://www.who.int/childgrowth/en
Centers for Disease Control and Prevention (CDC) growth charts: http://www.cdc.gov/growthcharts/clinical_charts.htm

BMI Percentile Classification for Children

Percentile Range	Weight Status Category
Less than the 5th percentile	Underweight
5th percentile to less than the 85th percentile	Healthy weight
85th to less than the 95th percentile	Overweight
95th percentile or greater	Obese

Growth Chart Example

Body mass index-for-age percentiles: Boys, 2 to 20 years

A 10-year-old boy with a BMI of 23 would be in the obese category (95th percentile or greater).

A 10-year-old boy with a BMI of 21 would be in the overweight category (85th to less than 95th percentile).

A 10-year-old boy with a BMI of 18 would be in the healthy weight category (5th percentile to less than 85th percentile).

A 10-year-old boy with a BMI of 13 would be in the underweight category (less than 5th percentile).

95th Percentile

85th Percentile

5th Percentile

Age (years)

SECTION II.   ADULTS
(AGES 18 AND OLDER)

A. BRFSS TREND DATA (2000-2012)

Adult Overweight and Obesity Prevalence Arkansas and U.S., 2000-2012

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Adult Obesity Prevalence
Arkansas and U.S., 2000-2012

Arkansas: 23.3, 22.4, 23.7, 25.2, 26.1, 28.0, 26.9, 29.3, 29.5, 31.5, 30.9, 30.9, 34.5

United States: 20.0, 20.9, 21.9, 22.9, 23.2, 24.4, 25.1, 26.3, 26.7, 26.9, 27.5, 27.8, 27.6

Source: BRFSS
In 2011, BRFSS had substantial methodological changes; it is not comparable to previous years.
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

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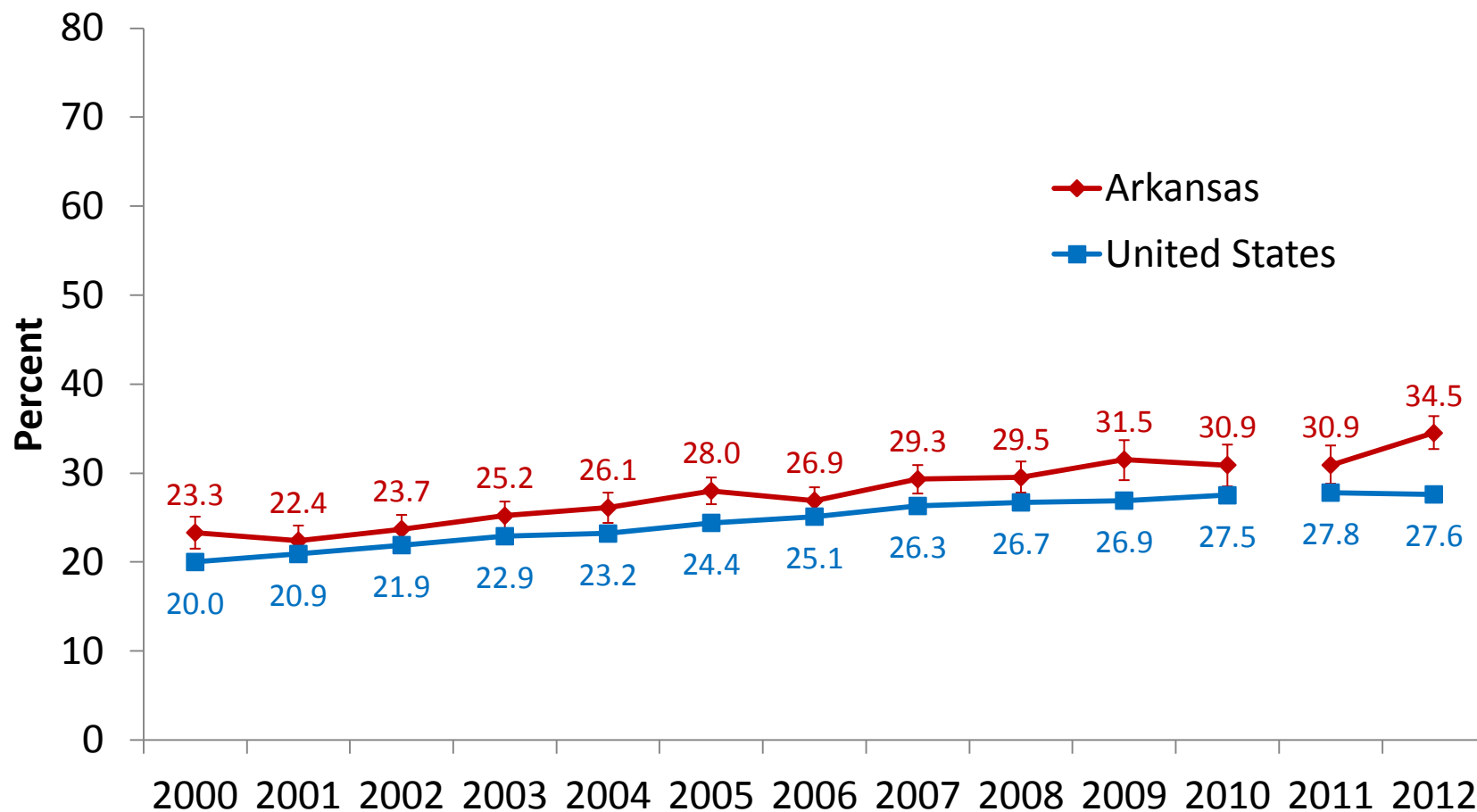
Adult Overweight and Obesity Prevalence Arkansas, 2000-2012

Source: BRFSS
In 2011, BRFSS had substantial methodological changes; it is not comparable to previous years.
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Gender Arkansas, 2000-2012
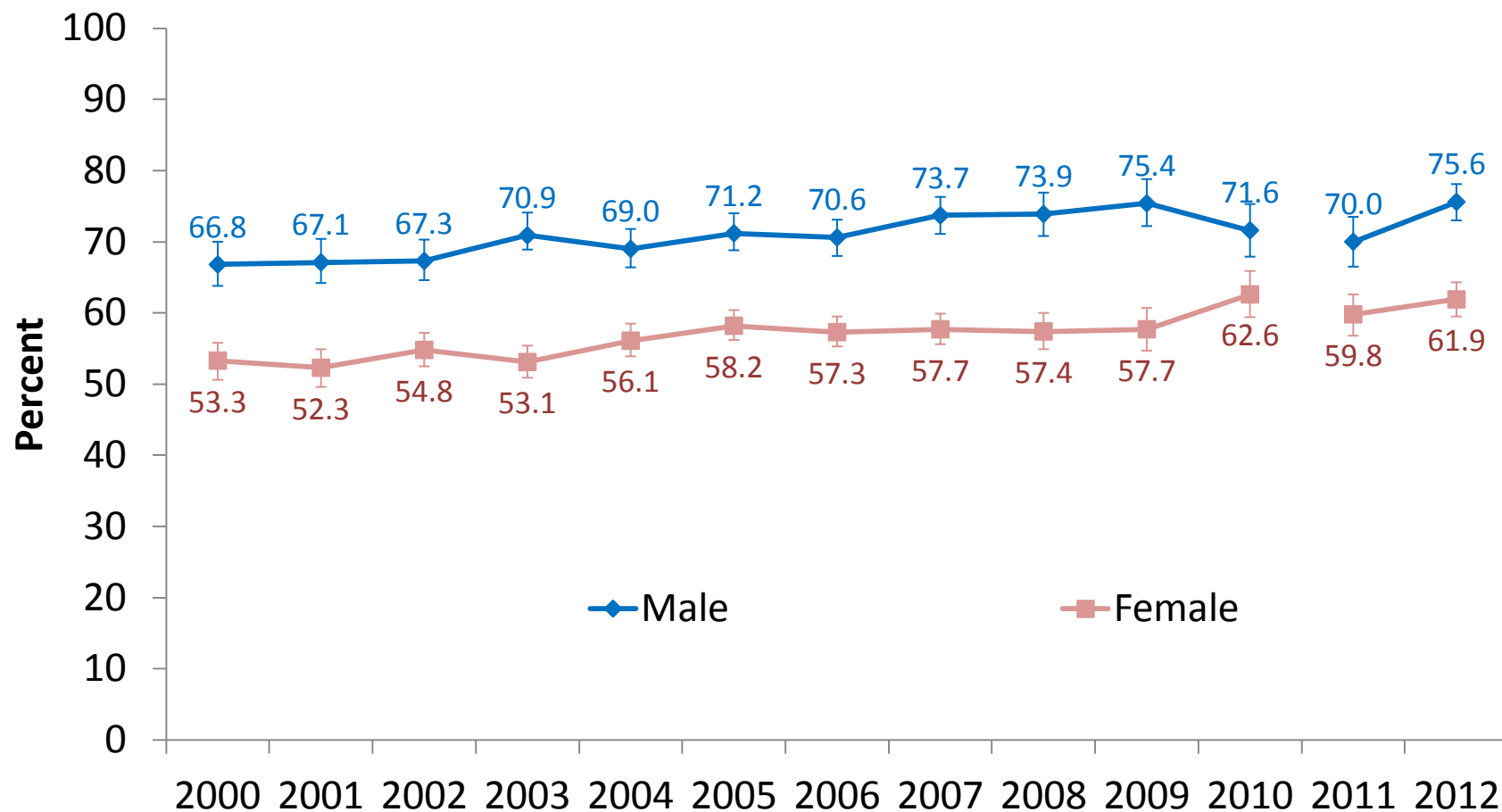
Source: BRFSS
In 2011, BRFSS had substantial methodological changes; it is not comparable to previous years.
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Race/Ethnicity Arkansas, 2000-2012
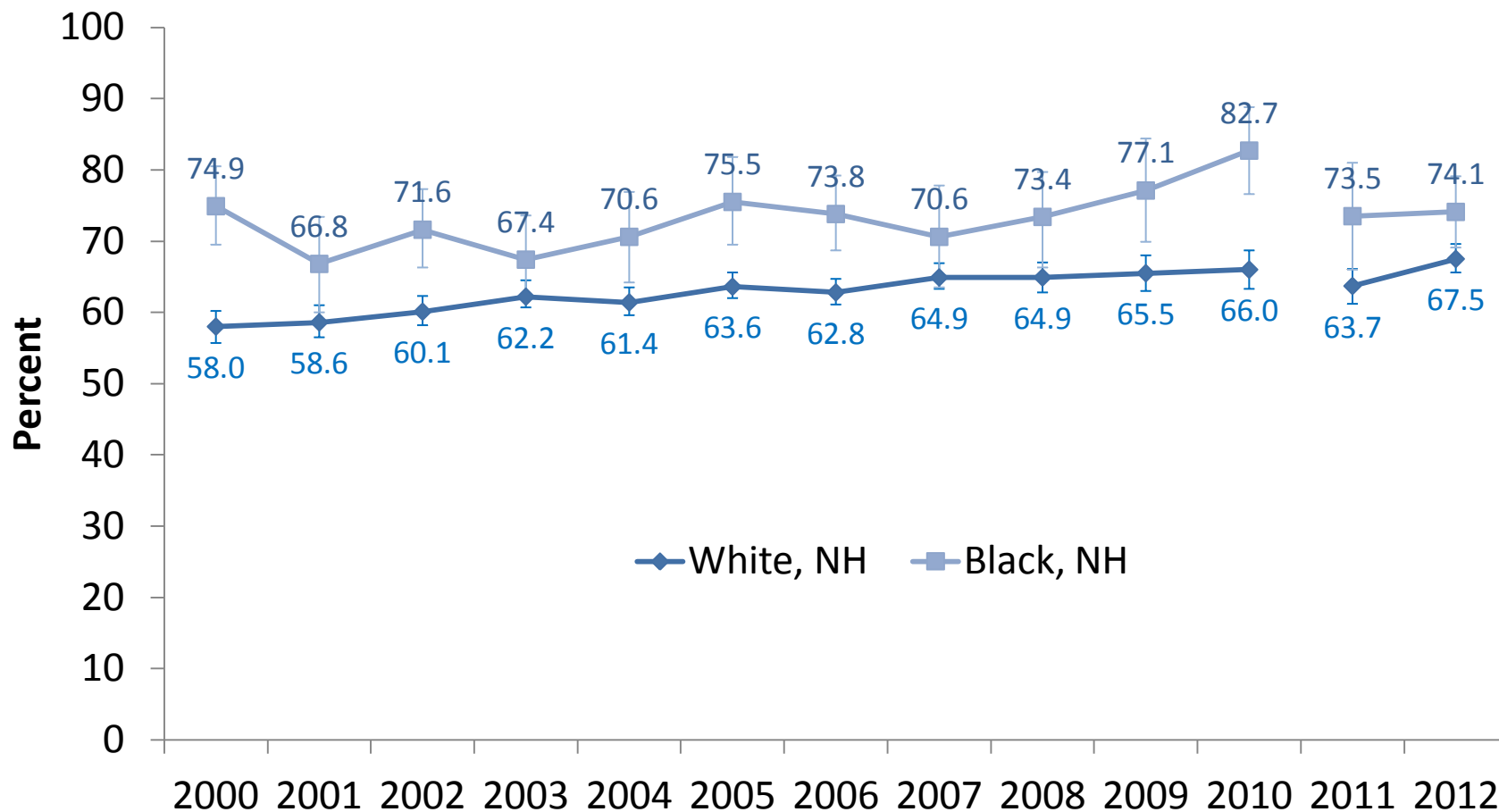
Source: BRFSS
In 2011, BRFSS had substantial methodological changes; it is not comparable to previous years.
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

B. BRFSS DATA, 2012

Adult Overweight and Obesity Prevalence
Arkansas and U.S., 2012
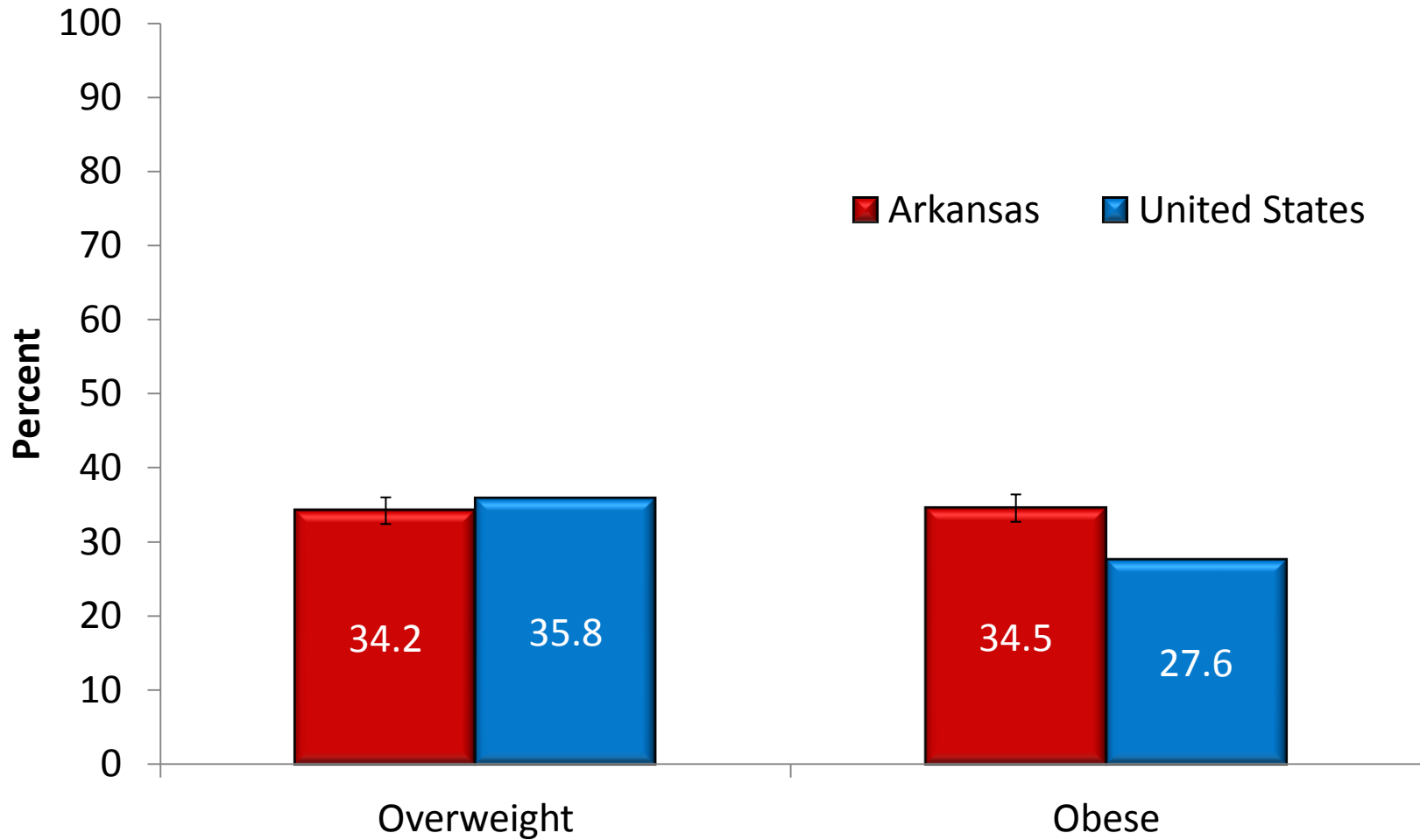
Legend: ■ Arkansas   ■ United States

Category	Arkansas	United States
Overweight	34.2	35.8
Obese	34.5	27.6

Y-axis: **Percent** (0 to 100)

Source: BRFSS
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Gender Arkansas, 2012
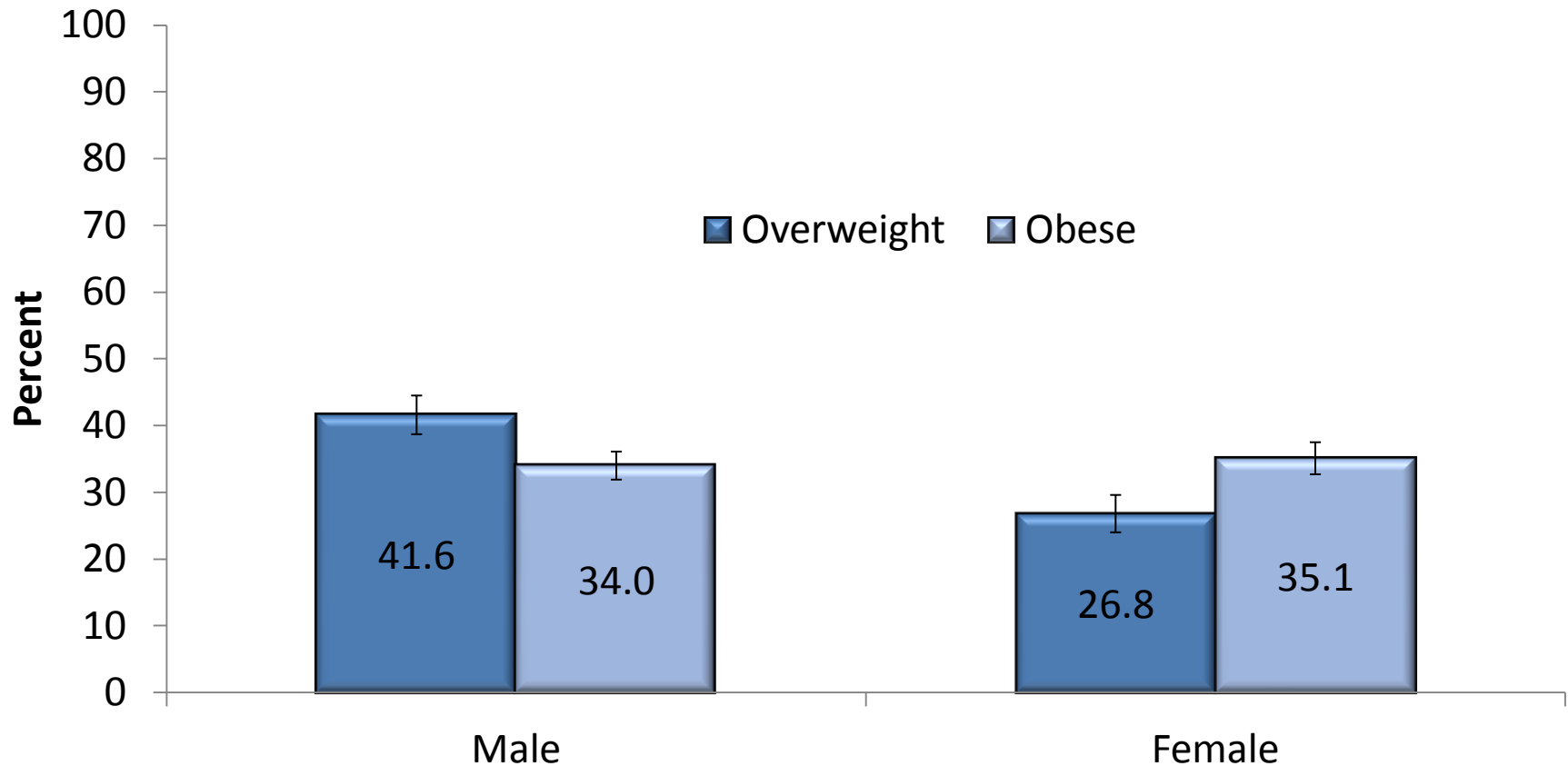
Source: BRFSS
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Race/Ethnicity Arkansas, 2012
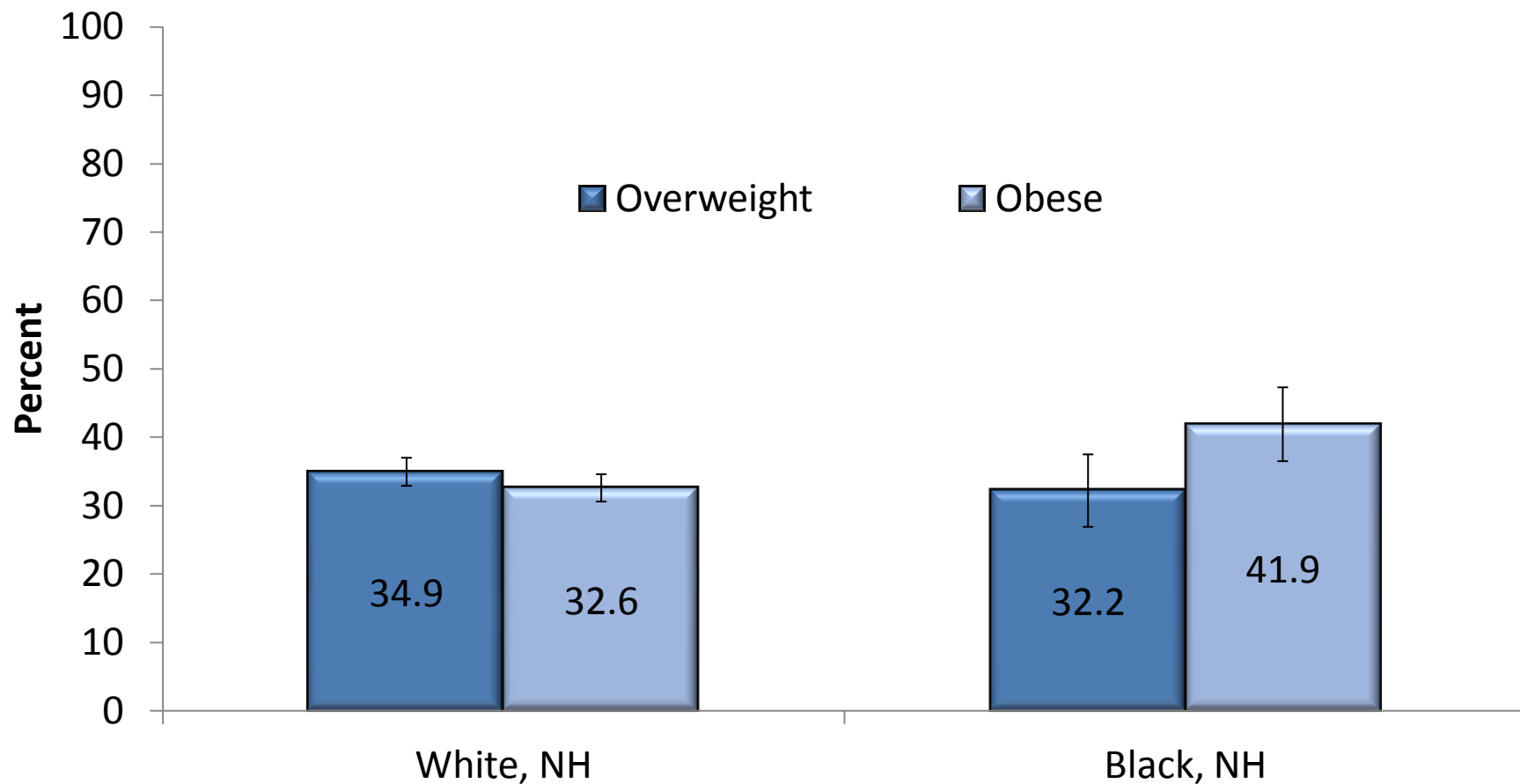
Source: BRFSS
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Race and Gender, Arkansas 2012
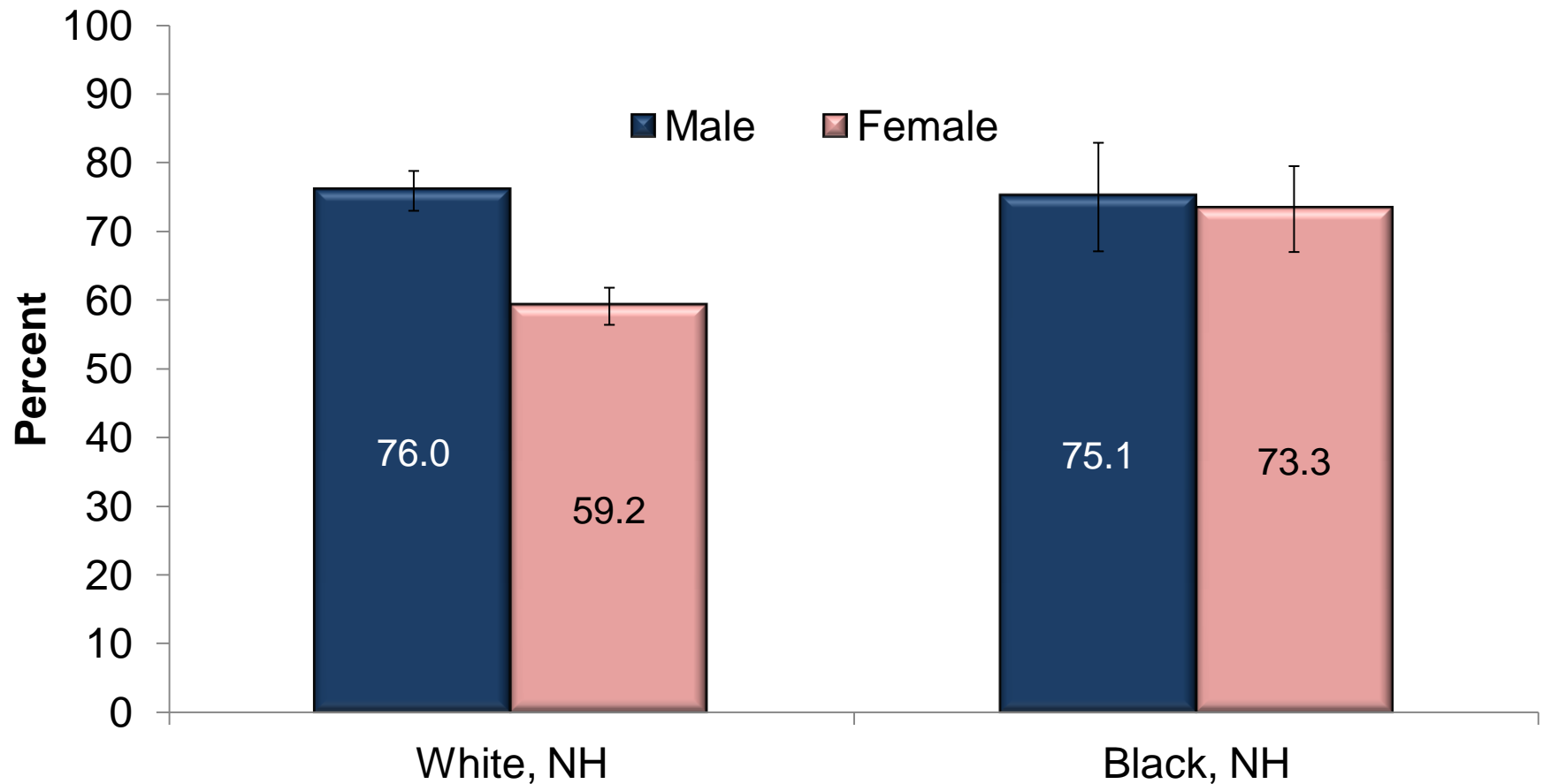
Percent

- Male
- Female

	White, NH	Black, NH
Male	76.0	75.1
Female	59.2	73.3

Source: BRFSS
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30

Adult Overweight and Obesity Prevalence, by Age Arkansas, 2012

Legend: ■ Overweight □ Obese

Age	Overweight	Obese
18-24	28.6	27.1
25-34	33.5	33.7
35-44	31.6	43.2
45-54	30.6	40.3
55-64	39.9	37.0
65+	38.8	25.9

Source: BRFSS
BMI Categories: Overweight = 25-29.9; Obese = BMI ≥ 30
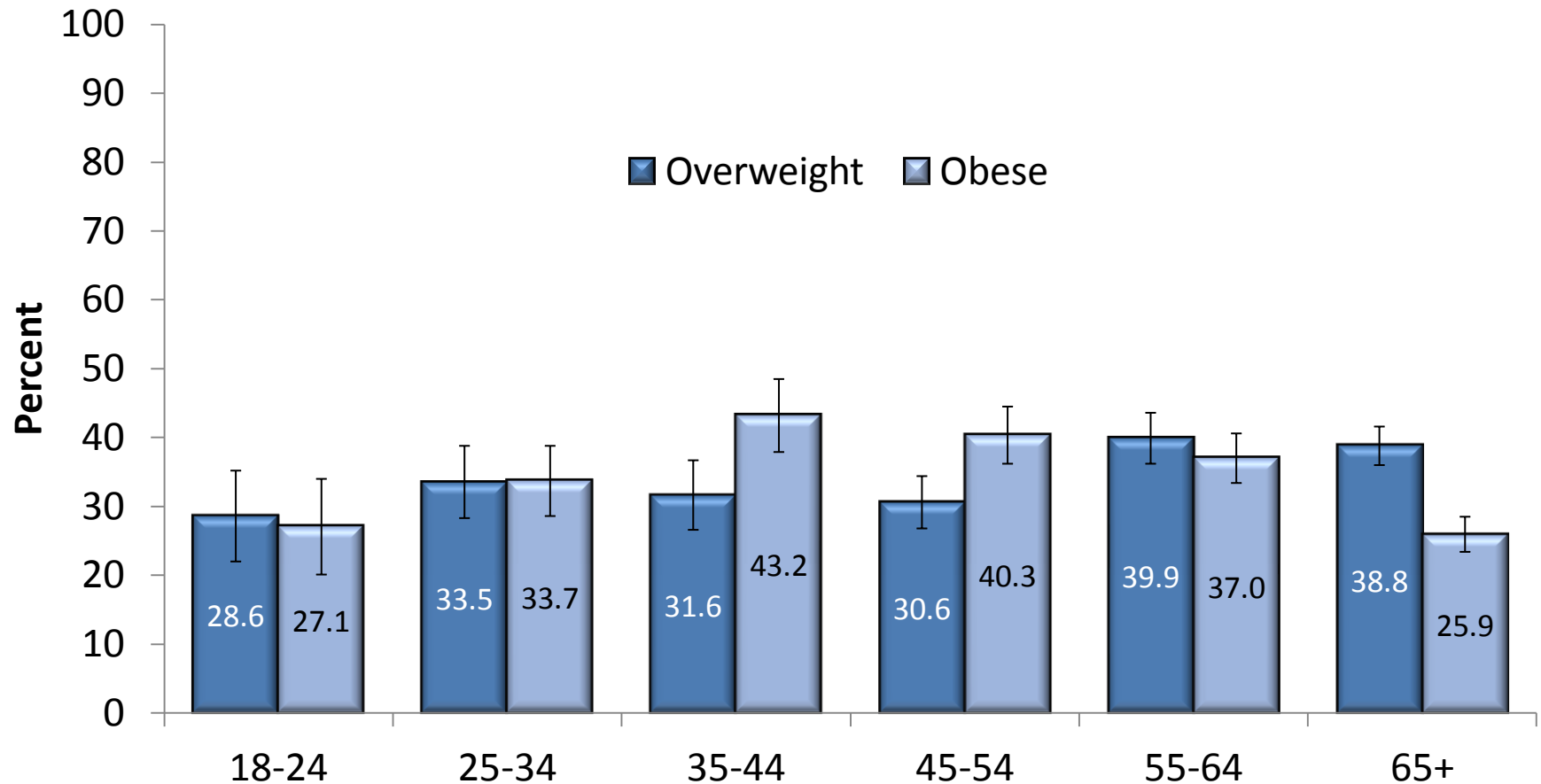
SECTION III. CHILDREN AND YOUTH

A.   YRBS DATA
(HIGH SCHOOL STUDENTS)

High School Students Overweight and Obesity Prevalence Arkansas and U.S., 2005-2013

Source: YRBS
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

High School Students Overweight and Obesity Prevalence Arkansas, 2005-2013

Source: YRBS
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

High School Students Overweight and Obesity Prevalence Arkansas, 2005-2013

Source: YRBS
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

High School Students Overweight and Obesity Prevalence Arkansas, 2005-2013

Source: YRBS
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

# B.	ACHI DATA

(K, 2ND, 4TH, 6TH, 8TH, & 10TH GRADE STUDENTS)

Trends in BMI Classification for Arkansas Public School Students in Grades K, 2, 4, 6, 8, & 10
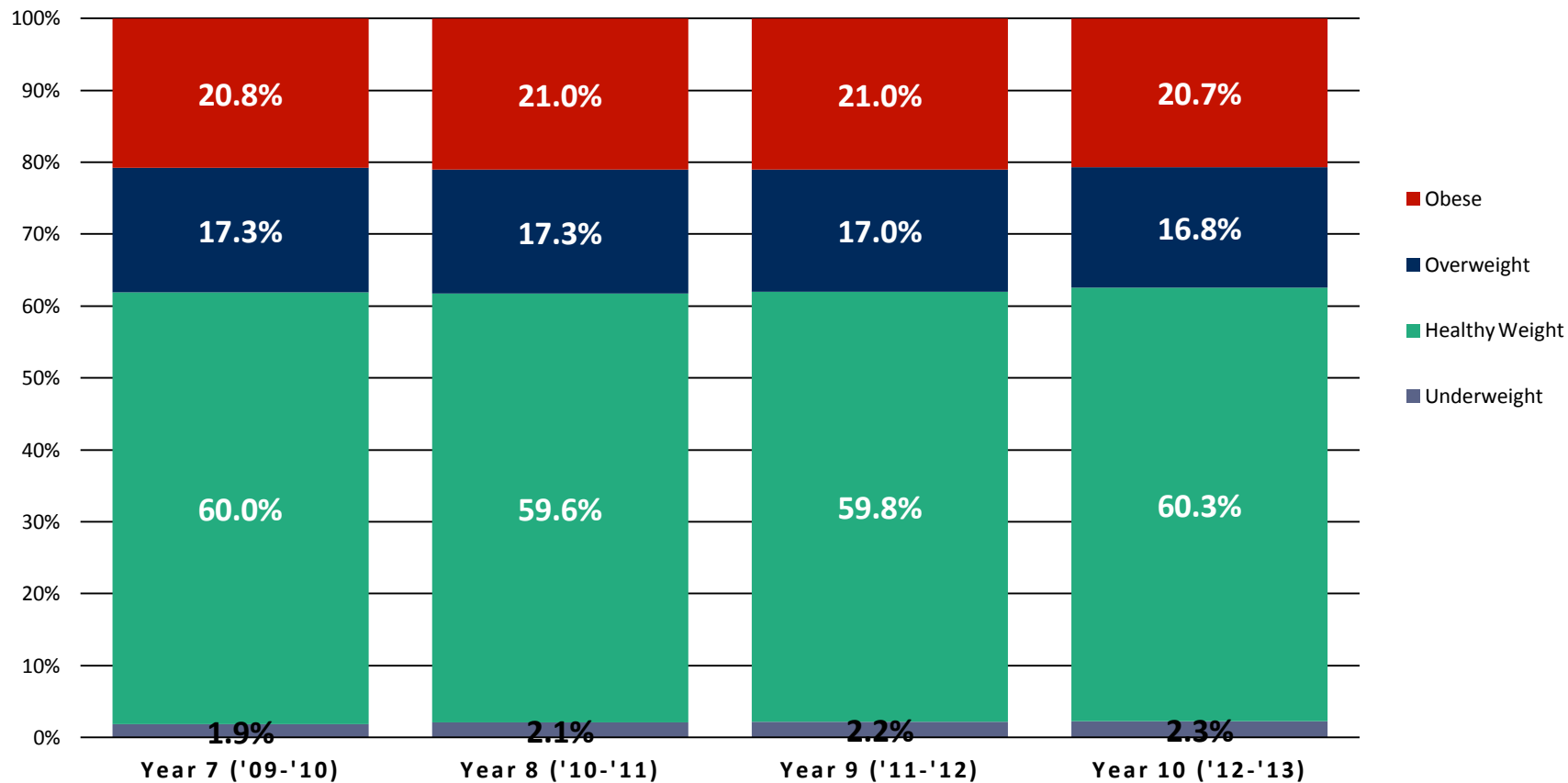
	Year 7 ('09-'10)	Year 8 ('10-'11)	Year 9 ('11-'12)	Year 10 ('12-'13)
Obese	20.8%	21.0%	21.0%	20.7%
Overweight	17.3%	17.3%	17.0%	16.8%
Healthy Weight	60.0%	59.6%	59.8%	60.3%
Underweight	1.9%	2.1%	2.2%	2.3%

Source: Arkansas Center for Health Improvement, Assessment of Childhood and Adolescent Obesity, Year Ten (Fall 2012-Spring 2013)

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Percent of Arkansas Students* Overweight and Obese, by Gender, 2012-2013 School Year
# Grades K, 2, 4, 6, 8, & 10
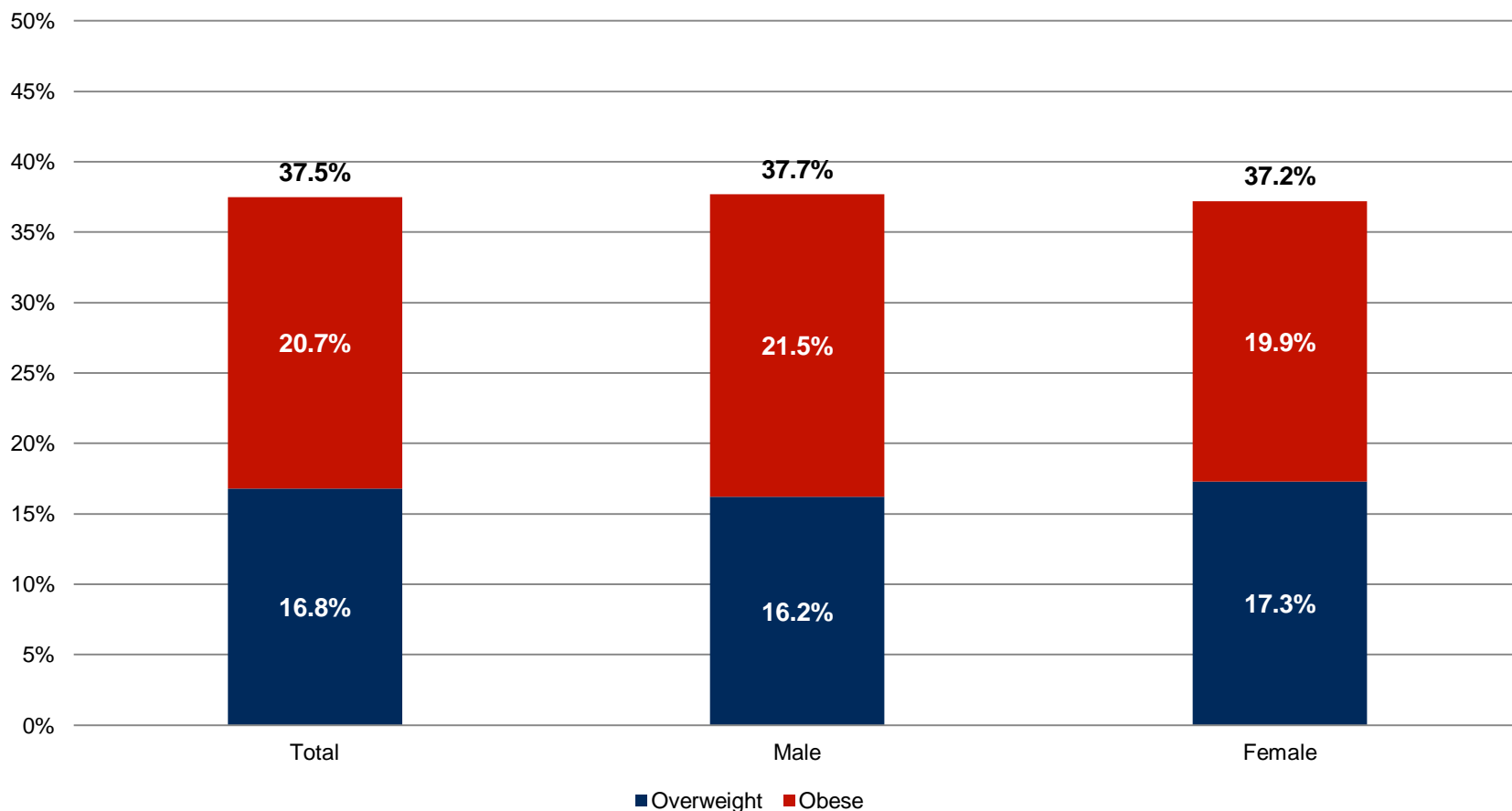
Source: Arkansas Center for Health Improvement, Assessment of Childhood and Adolescent Obesity, Year Ten (Fall 2012-Spring 2013)
*Public School Students

Percent of Arkansas Students* Overweight and Obese, by Race/Ethnicity, 2012-2013 School Year Grades K, 2, 4, 6, 8, & 10

Race/Ethnicity	Overweight	Obese	Total
Asian	15.7%	14.9%	30.6%
White, NH	16.1%	18.8%	34.9%
Native American	18.2%	18.6%	36.8%
Black, NH	17.3%	23.7%	41.0%
Hispanic	19.5%	27.8%	47.3%

■ Overweight ■ Obese

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Percent of Arkansas Students* Overweight and Obese, by Gender & Race/Ethnicity, 2012-2013 School Year Grades K, 2, 4, 6, 8, & 10

Females

Race/Ethnicity	Overweight	Obese	Total
Asian	14.1%	10.5%	24.5%
White, NH	16.8%	17.2%	34.0%
Native American	18.3%	18.1%	36.4%
Black, NH	17.8%	26.3%	44.1%
Hispanic	20.2%	24.6%	44.8%

Males

Race/Ethnicity	Overweight	Obese	Total
Asian	17.3%	19.0%	36.3%
White, NH	15.5%	20.2%	35.7%
Native American	18.2%	19.1%	37.3%
Black, NH	16.8%	21.1%	37.9%
Hispanic	18.9%	30.8%	49.7%

■ Overweight ■ Obese

Percent of Arkansas Students* Overweight and Obese, by Grade, 2012-2013 School Year
Grades K, 2, 4, 6, 8, & 10
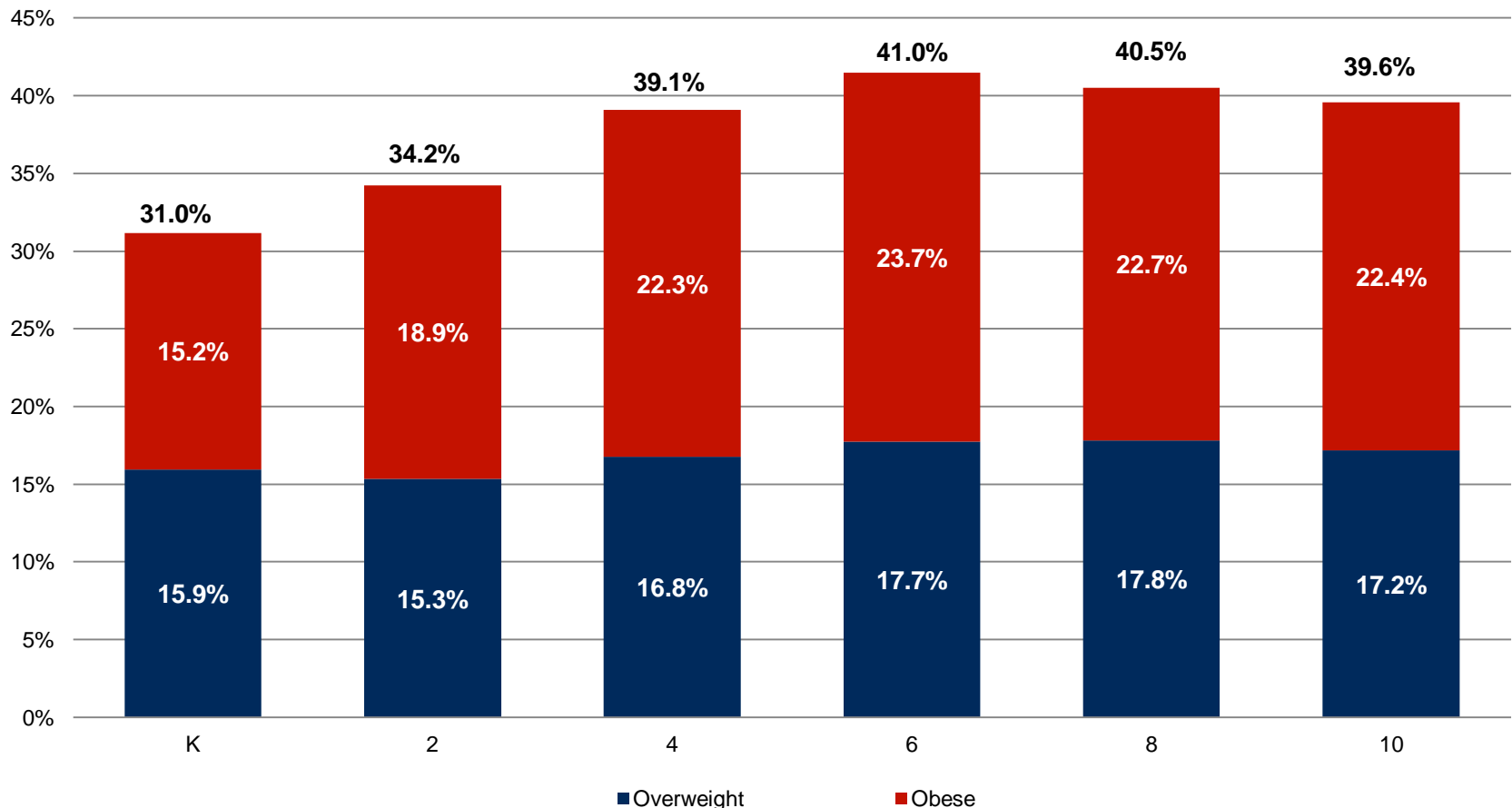
Source: Arkansas Center for Health Improvement, Assessment of Childhood and Adolescent Obesity, Year Ten (Fall 2012-Spring 2013)
*Public School Students

C. YTS DATA (HIGH SCHOOL STUDENTS)

Do you think smoking helps you lose weight?
Percent of High School Students Who Answered "Yes",
by Smoking Status, Arkansas, 2010
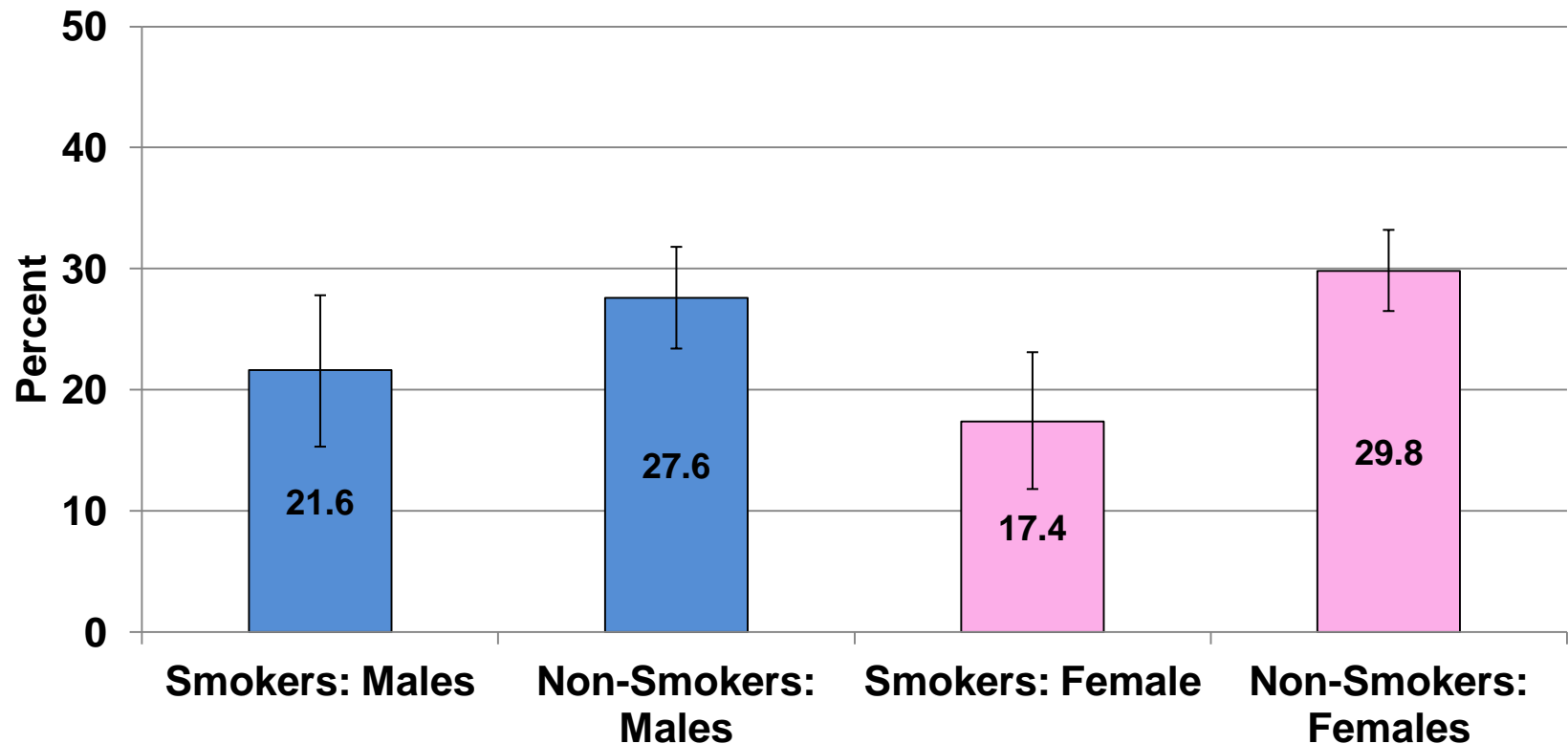
Source: Arkansas YTS
Question: "Do you think that smoking cigarettes makes you gain or lose weight?"

Percent of High School Students who are Overweight or Obese, by Smoking Status
Arkansas, 2010
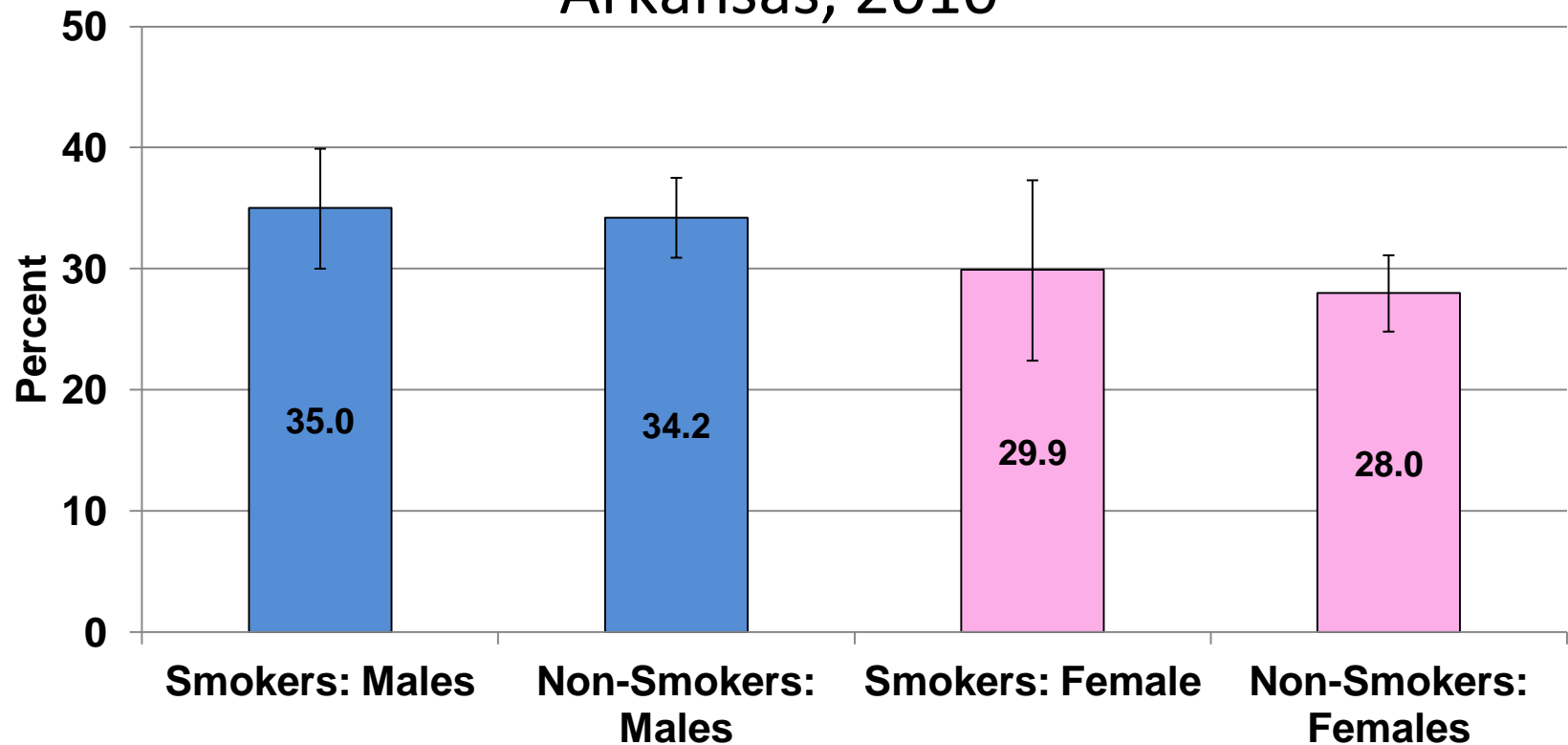
D. PEDNSS (AGES 2 TO 5 YEARS)*

*Among low-income children in federally funded maternal and child health programs

Children ages 2 to 5 Years Old, Overweight PedNSS* Population, Arkansas and U.S., 2000-2011
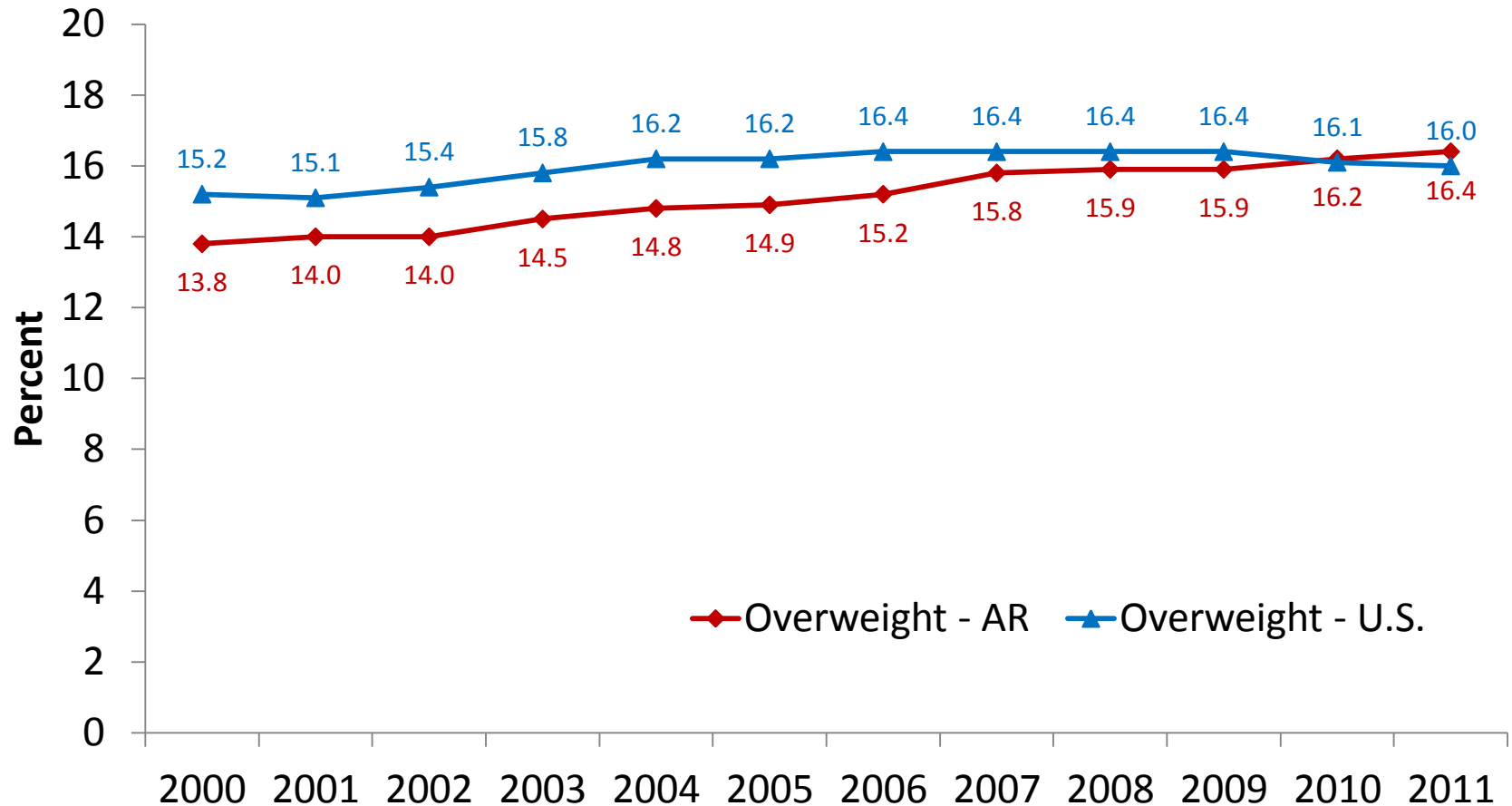
Legend: Overweight - AR (red), Overweight - U.S. (blue)

U.S. values: 15.2, 15.1, 15.4, 15.8, 16.2, 16.2, 16.4, 16.4, 16.4, 16.4, 16.1, 16.0

AR values: 13.8, 14.0, 14.0, 14.5, 14.8, 14.9, 15.2, 15.8, 15.9, 15.9, 16.2, 16.4

Years: 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011

*Source: PedNSS (among low-income children in federally funded maternal and child health programs)
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

Children ages 2 to 5 Years Old, Obese
PedNSS* Population, Arkansas and U.S., 2000-2011
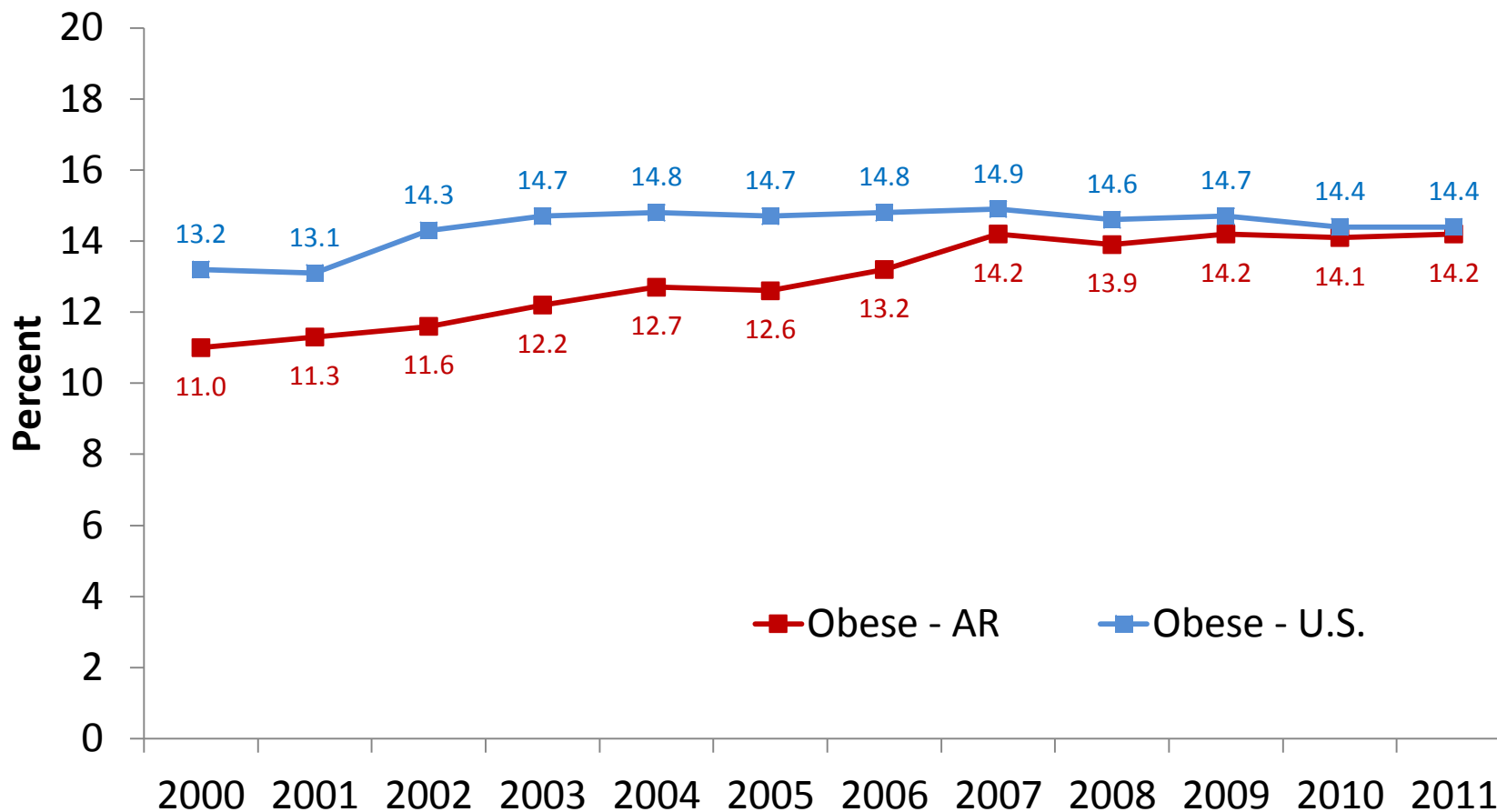
*Source: PedNSS (among low-income children in federally funded maternal and child health programs)
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

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Children ages 2 to 5 Years Old, Overweight and Obese PedNSS* Population, Arkansas and U.S., 2011
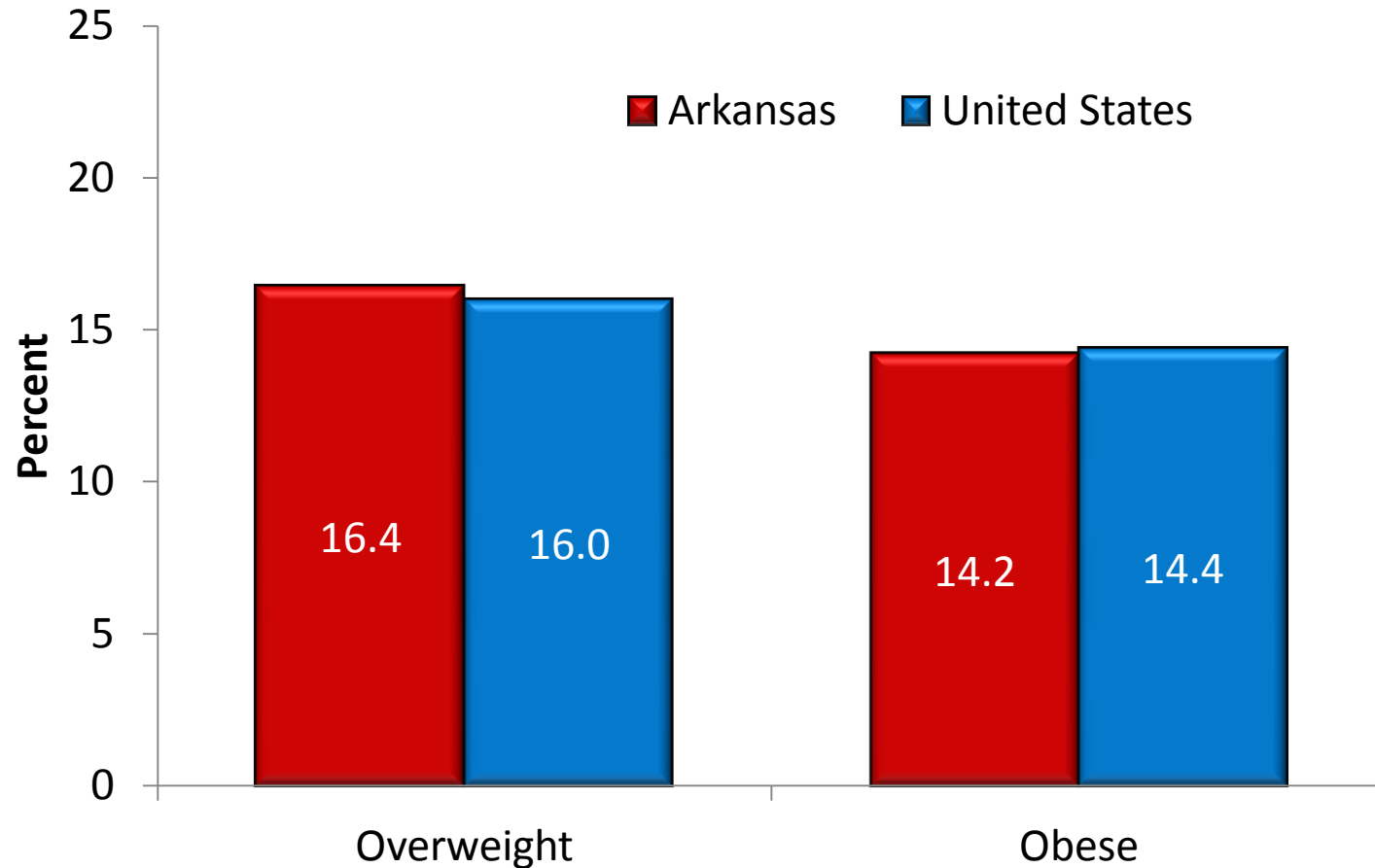
*Source: PedNSS (among low-income children in federally funded maternal and child health programs)
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

Children ages 2 to 5 Years Old, Overweight and Obese, by Race/Ethnicity, PedNSS* Population, Arkansas, 2011
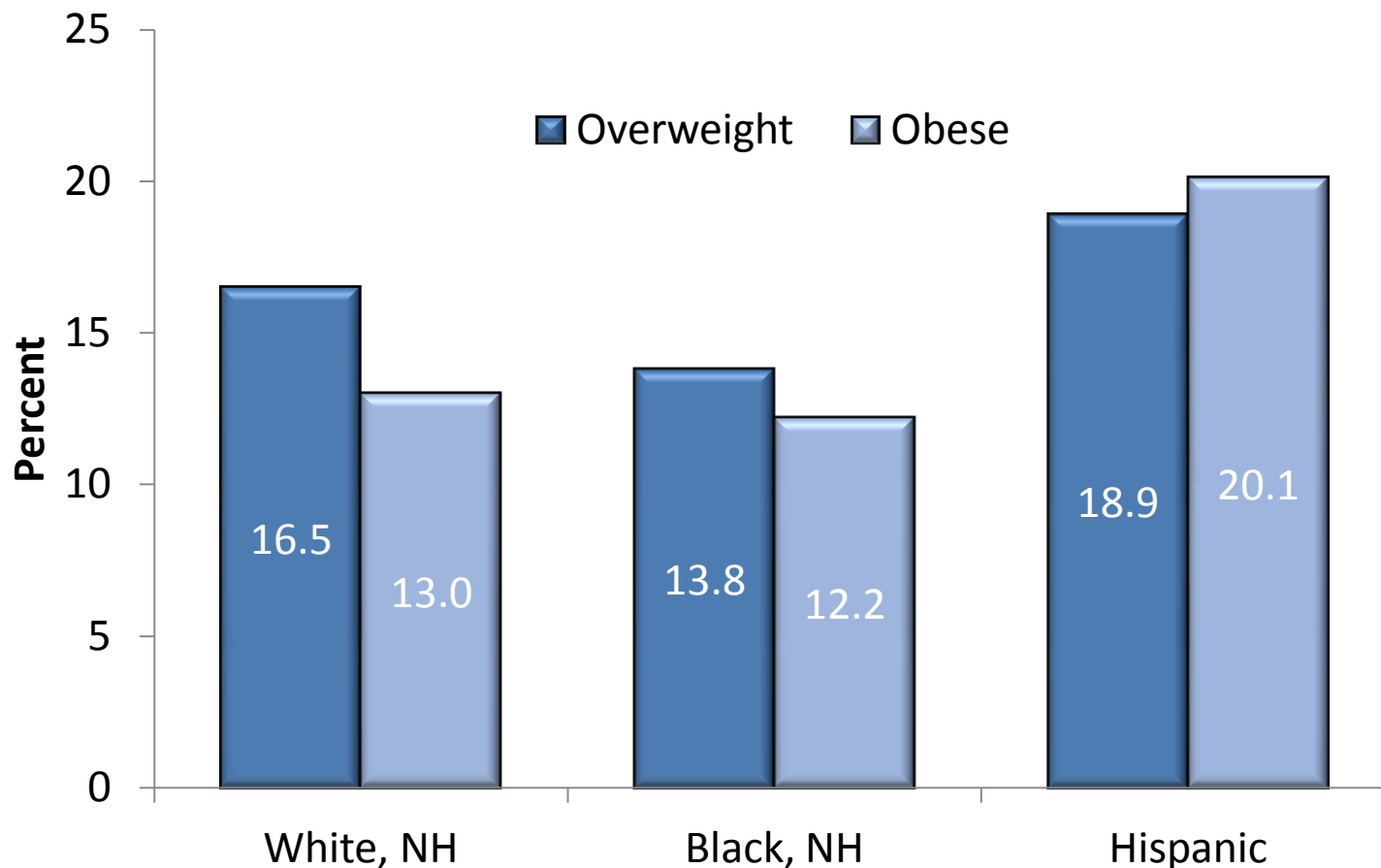
*Source: PedNSS (among low-income children in federally funded maternal and child health programs)
BMI Categories: Overweight: >= 85th percentile but < the 95th; Obese: >= the 95th percentile for BMI, by age and sex

SECTION IV. ASSOCIATED CHRONIC DISEASES

A. CORONARY HEART DISEASE

Coronary Heart Disease Prevalence Among Adults, by Weight Classification, Arkansas and U.S., 2012
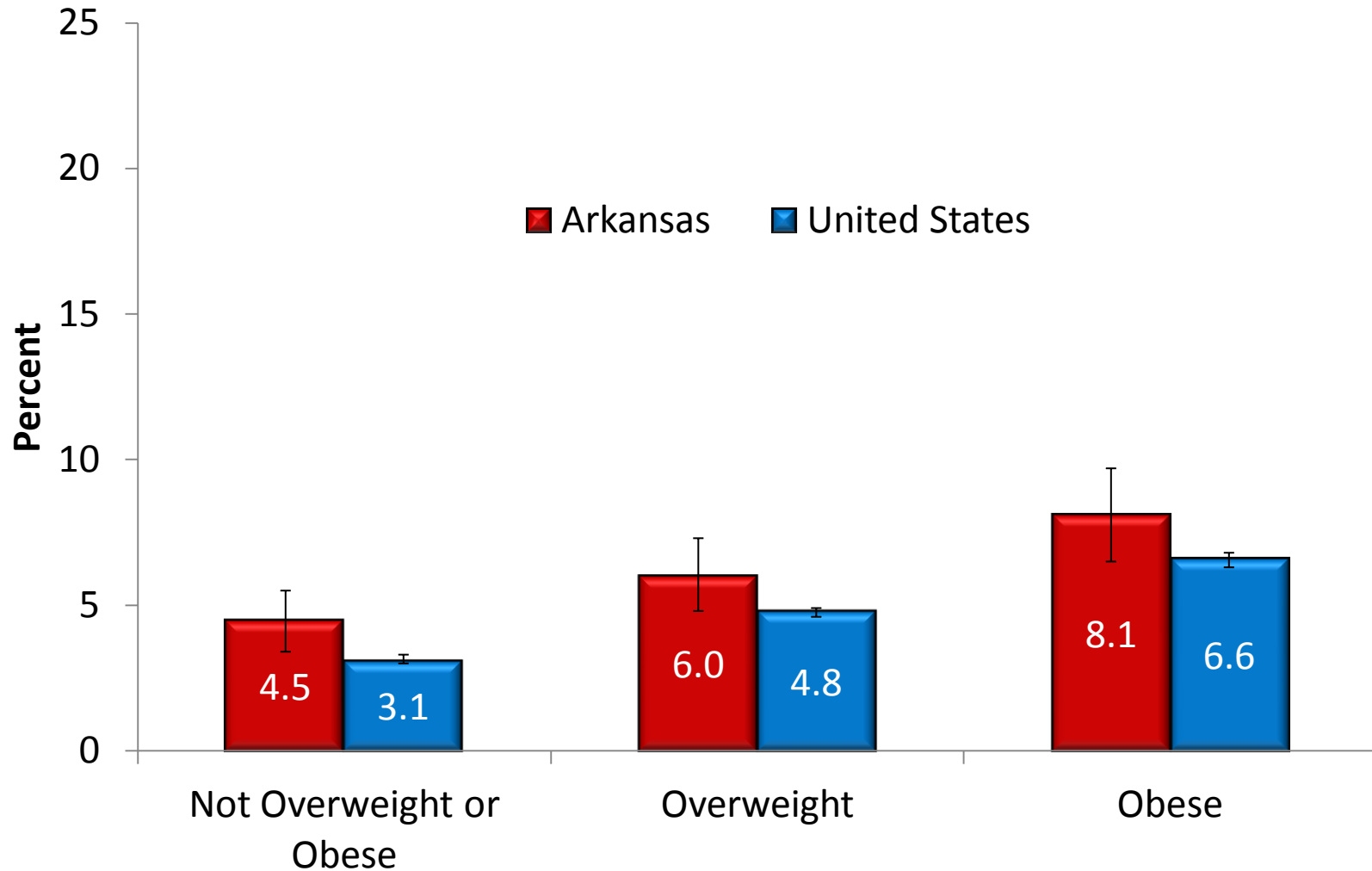
Source: BRFSS

B. STROKE

Stroke Prevalence Among Adults, by Weight Classification
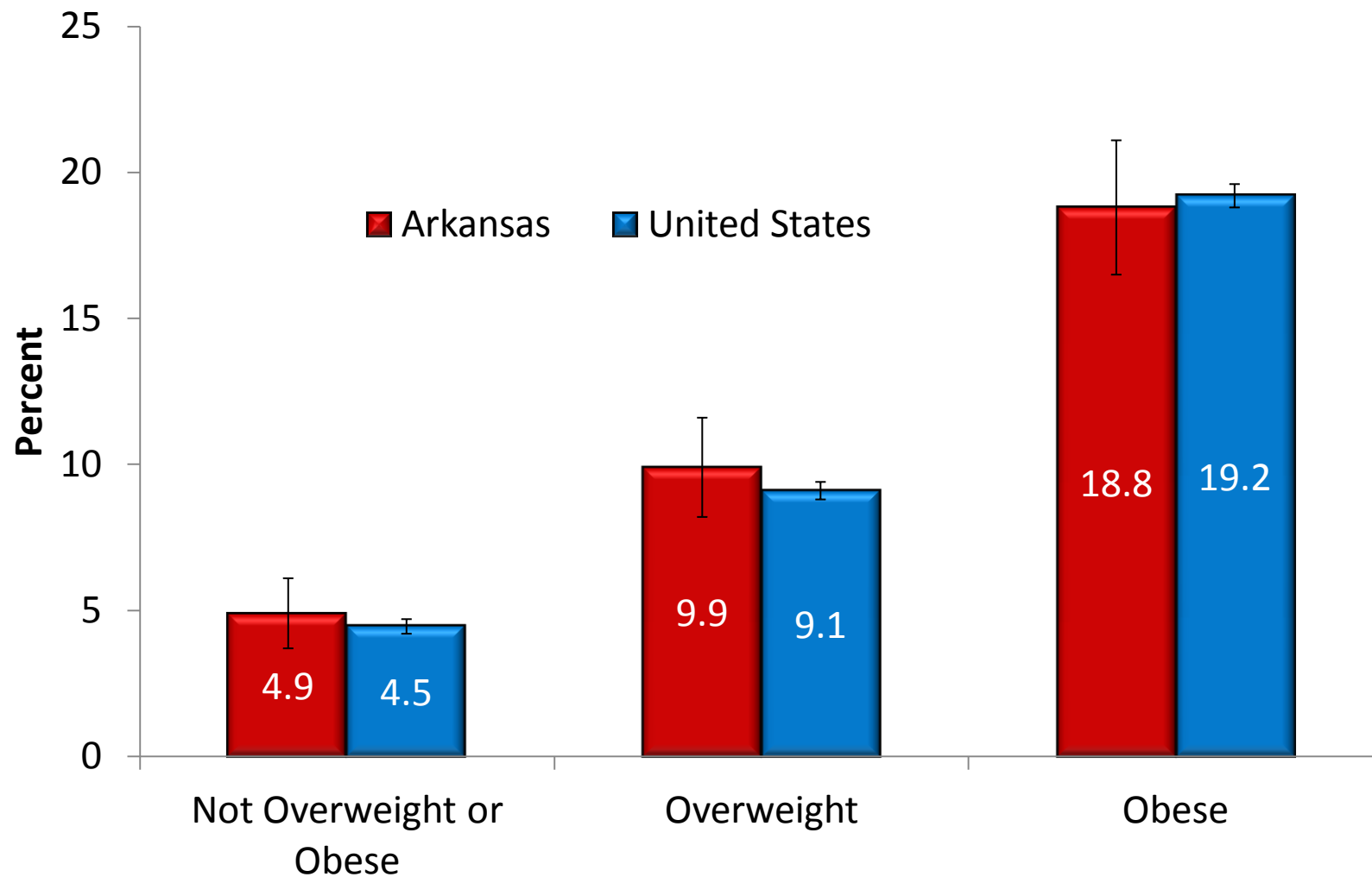Arkansas and U.S., 2012
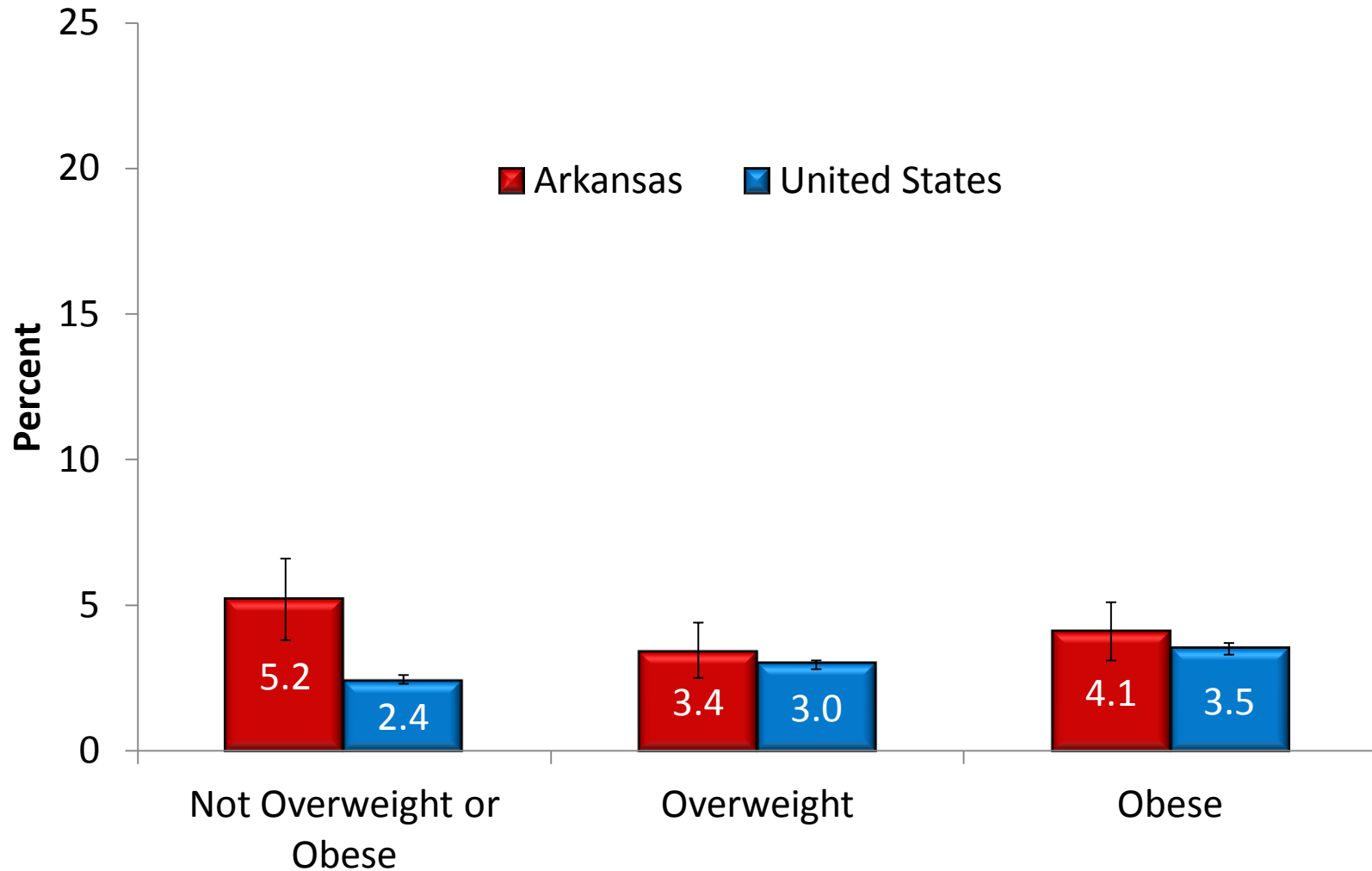
Source: BRFSS

C. HYPERTENSION

Hypertension Prevalence Among Adults, by Weight Classification Arkansas and U.S., 2011
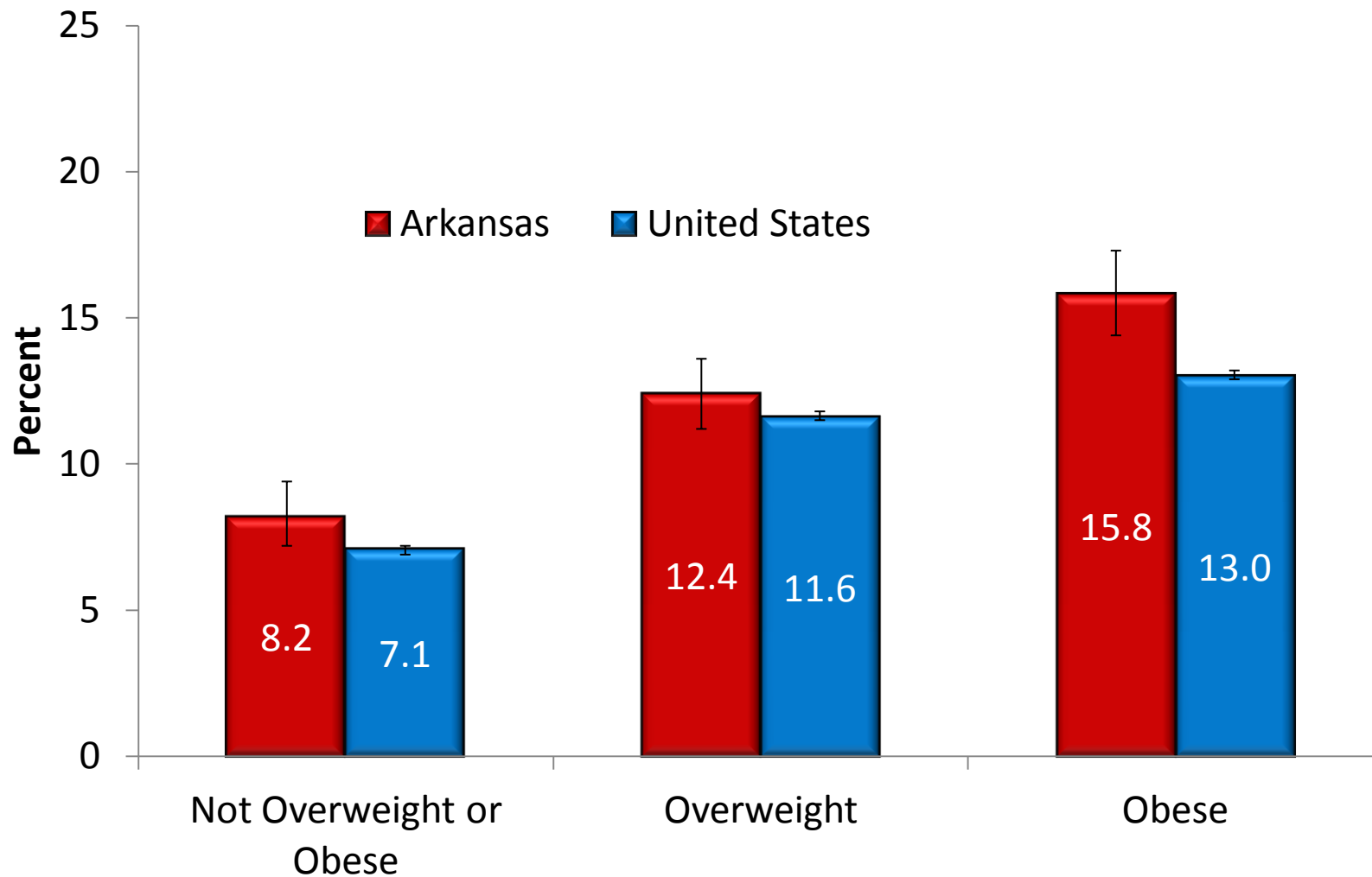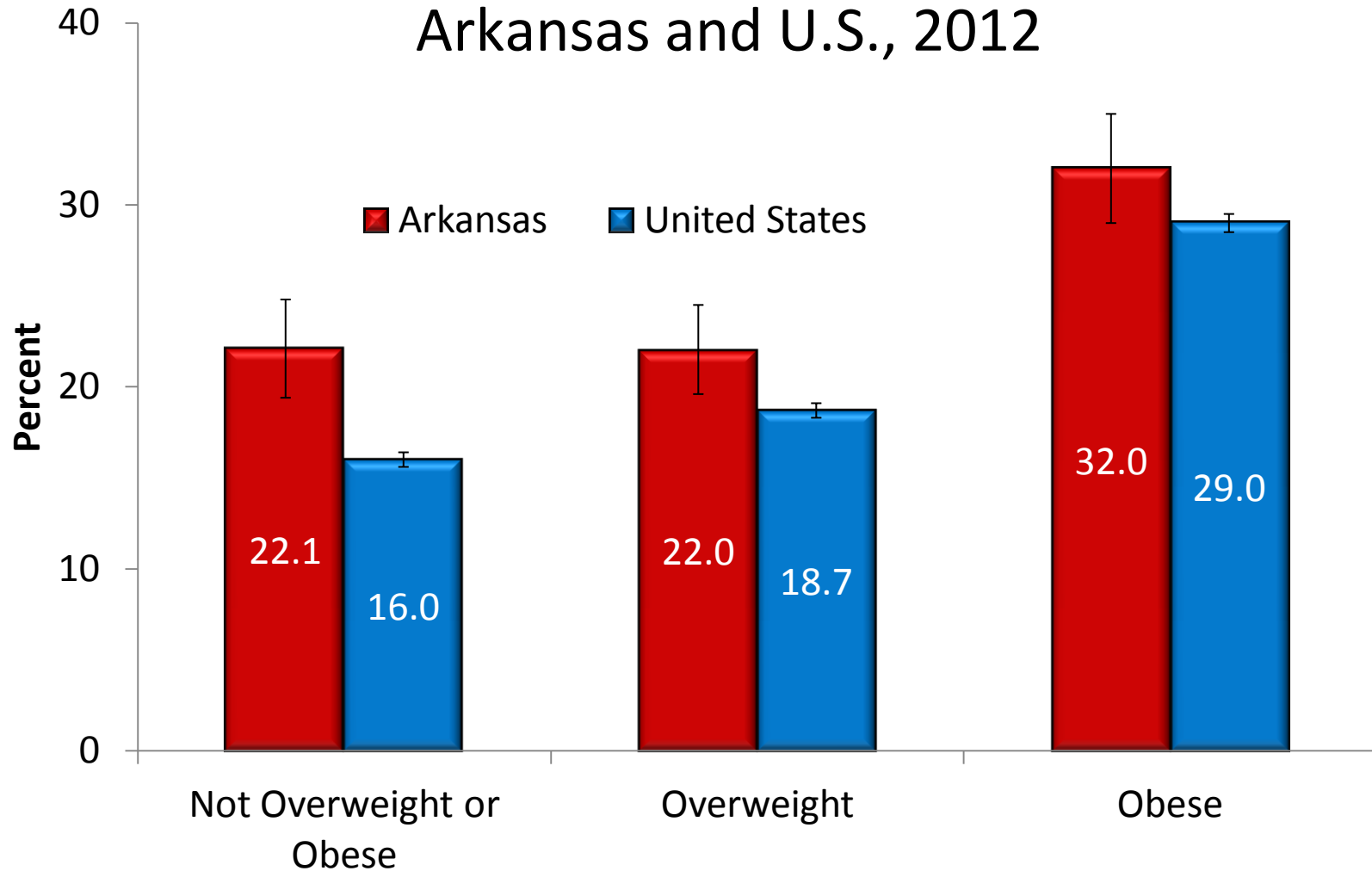

Source: BRFSS

D. DIABETES

Diabetes Prevalence Among Adults, by Weight Classification Arkansas and U.S., 2012
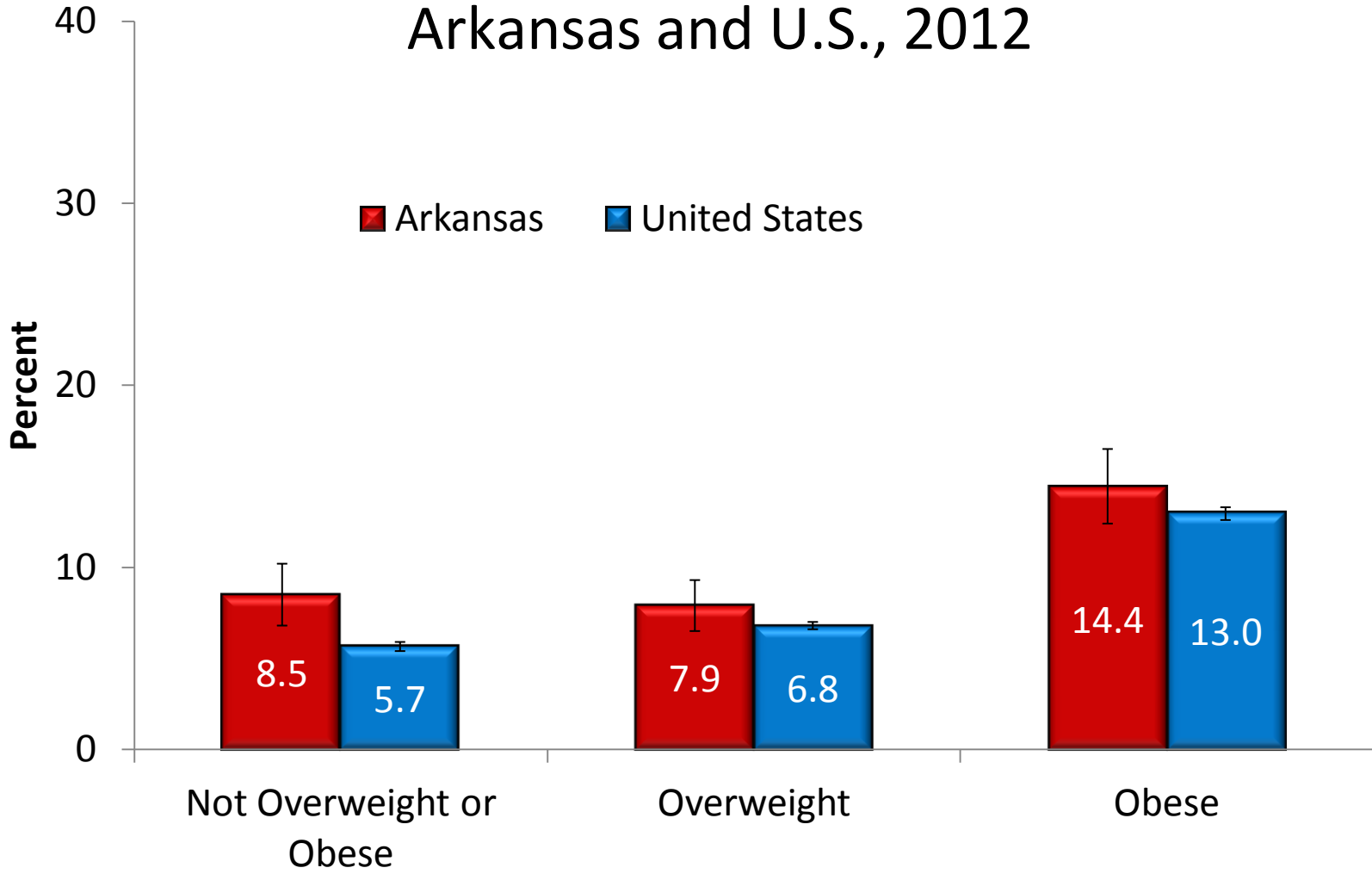

Source: BRFSS

E. DISABILITY

Disability* (Limited In Any Way) Prevalence Among Adults, by Weight Classification
Arkansas and U.S., 2012

Legend: ■ Arkansas ■ United States

Y-axis: Percent (0 to 40)

X-axis categories:
- Not Overweight or Obese: Arkansas 22.1, United States 16.0
- Overweight: Arkansas 22.0, United States 18.7
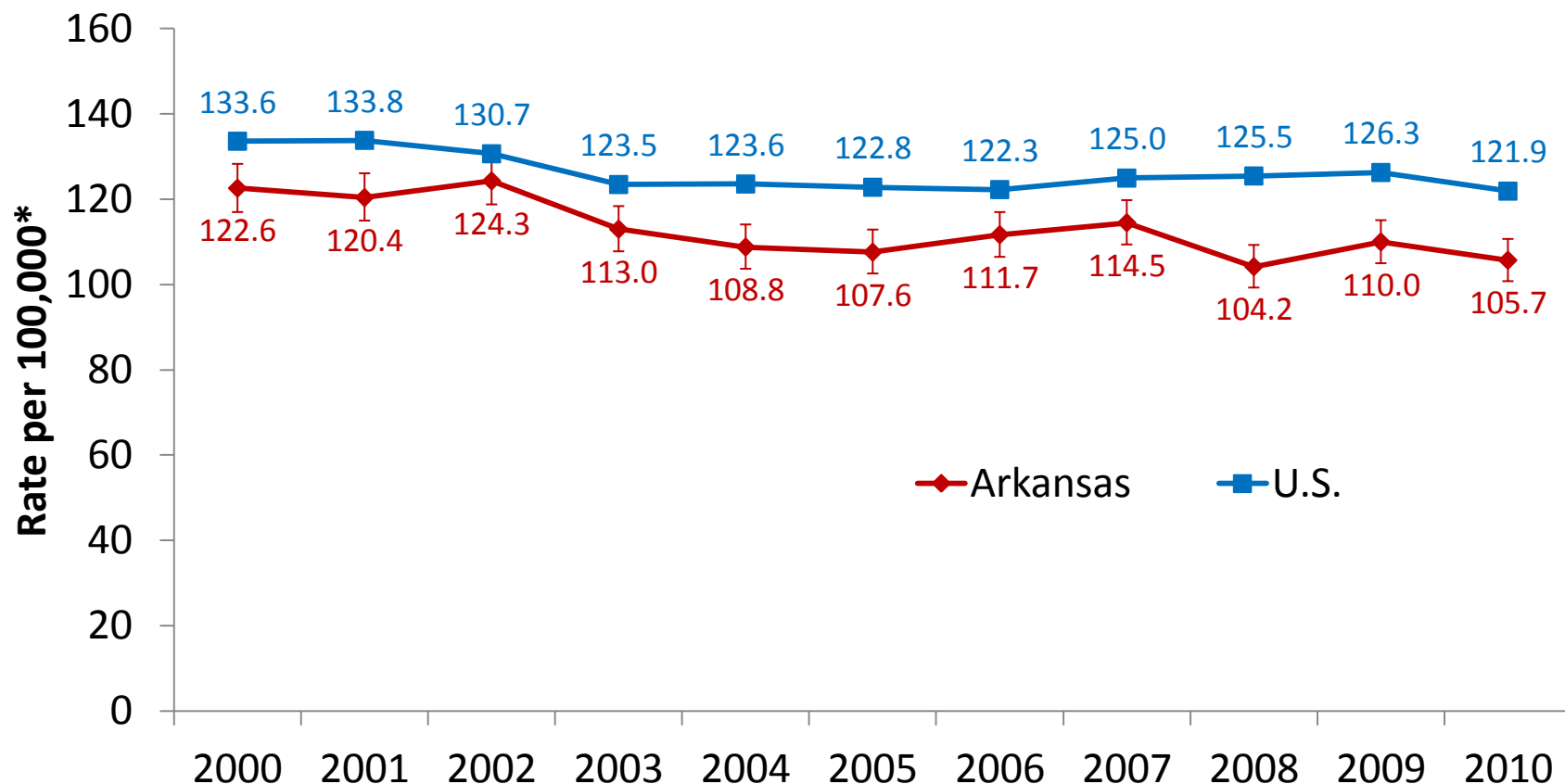- Obese: Arkansas 32.0, United States 29.0

Disability* (Use Special Equipment) Prevalence Among Adults, by Weight Classification
Arkansas and U.S., 2012

Source: BRFSS
*Question: Do you now have any health problem that requires you to use special equipment, such as a cane, a wheelchair, a special bed, or a special telephone?
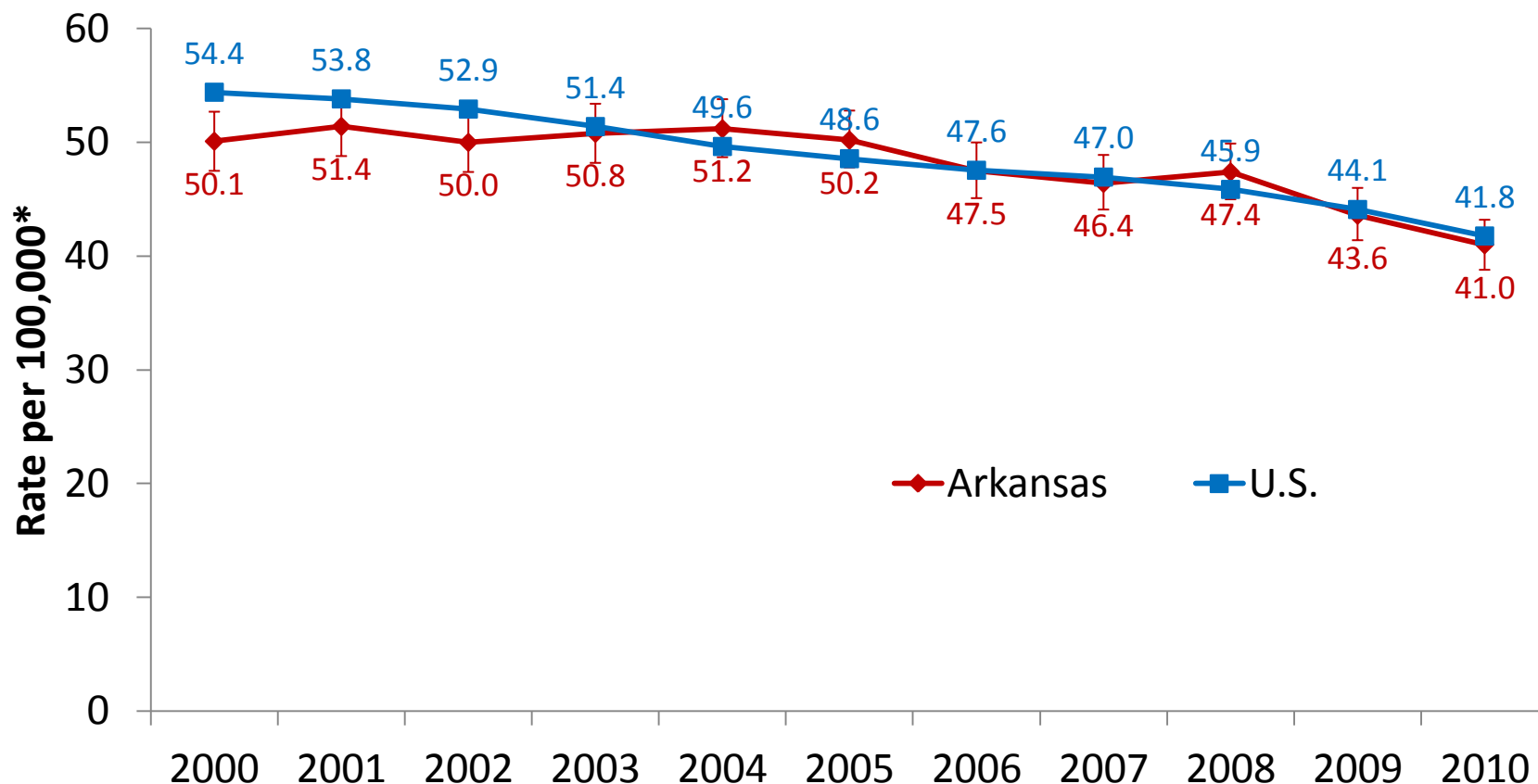
F.   CANCER

Age-Adjusted Incidence Rates of Female Breast Cancer Arkansas and U.S., 2000-2010

Rate per 100,000*

U.S. values: 133.6, 133.8, 130.7, 123.5, 123.6, 122.8, 122.3, 125.0, 125.5, 126.3, 121.9

Arkansas values: 122.6, 120.4, 124.3, 113.0, 108.8, 107.6, 111.7, 114.5, 104.2, 110.0, 105.7

Years: 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Legend: ◆ Arkansas ■ U.S.

Sources: Arkansas Central Cancer Registry and SEER
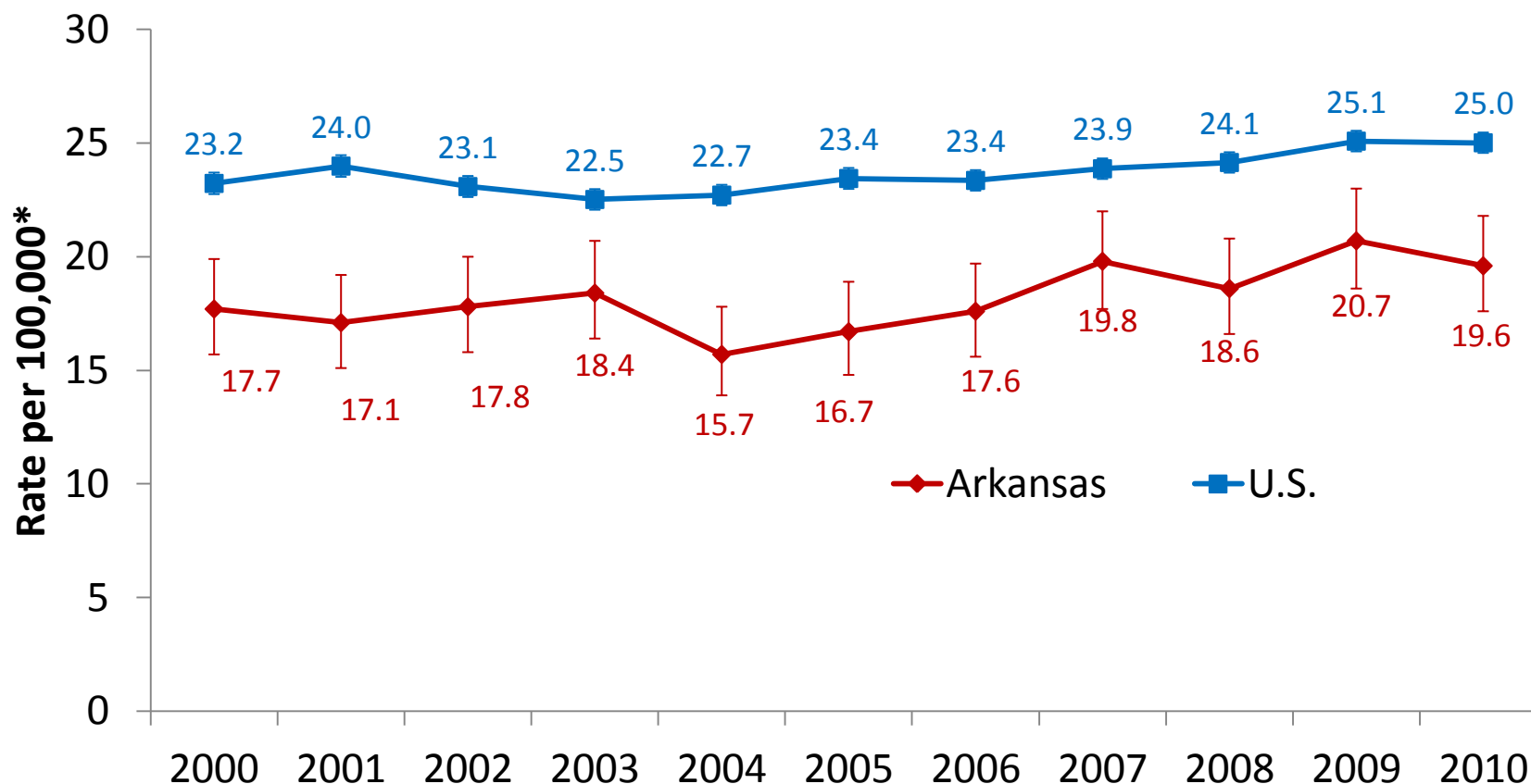*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Colorectal Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
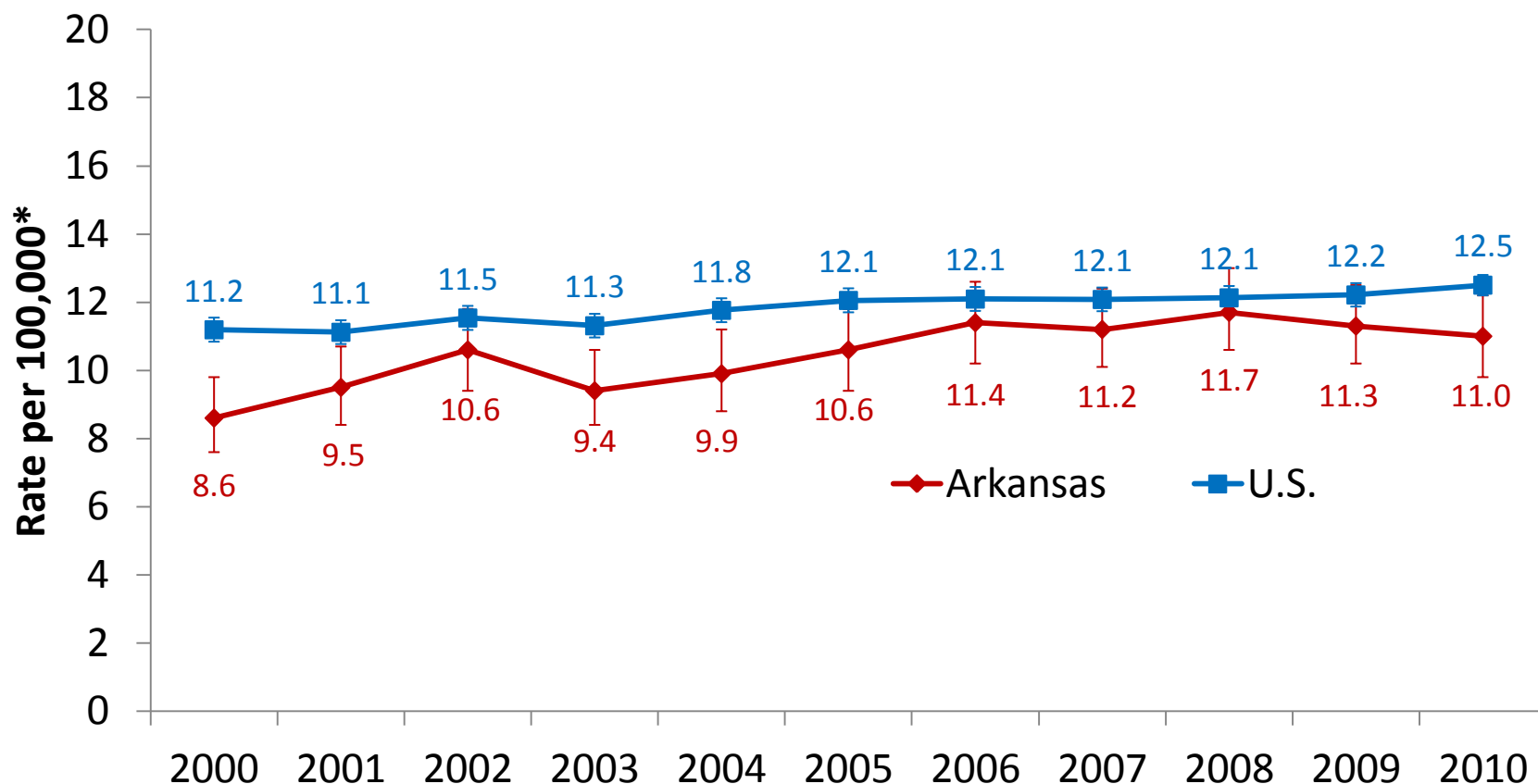*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Endometrial Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
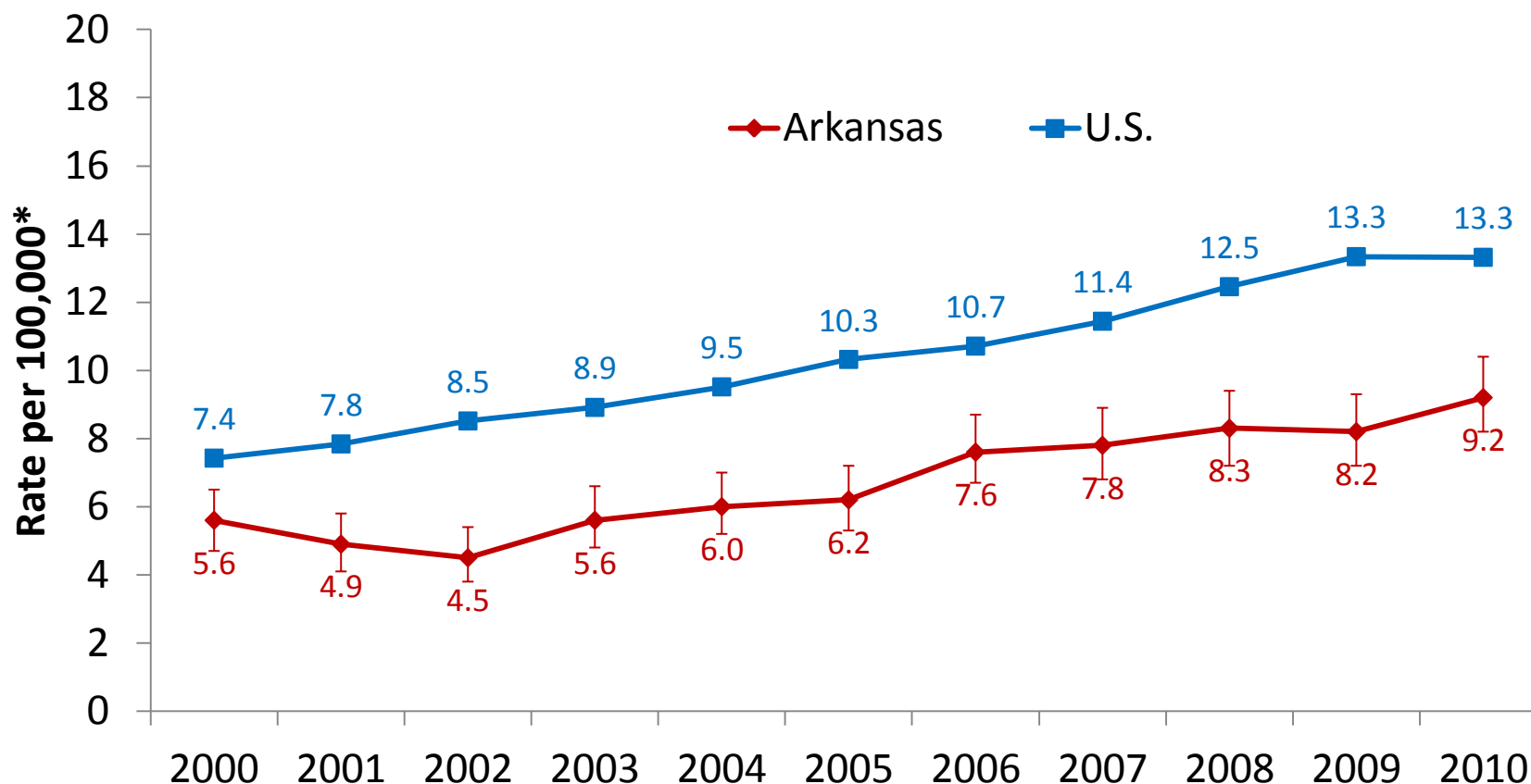*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Pancreatic Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
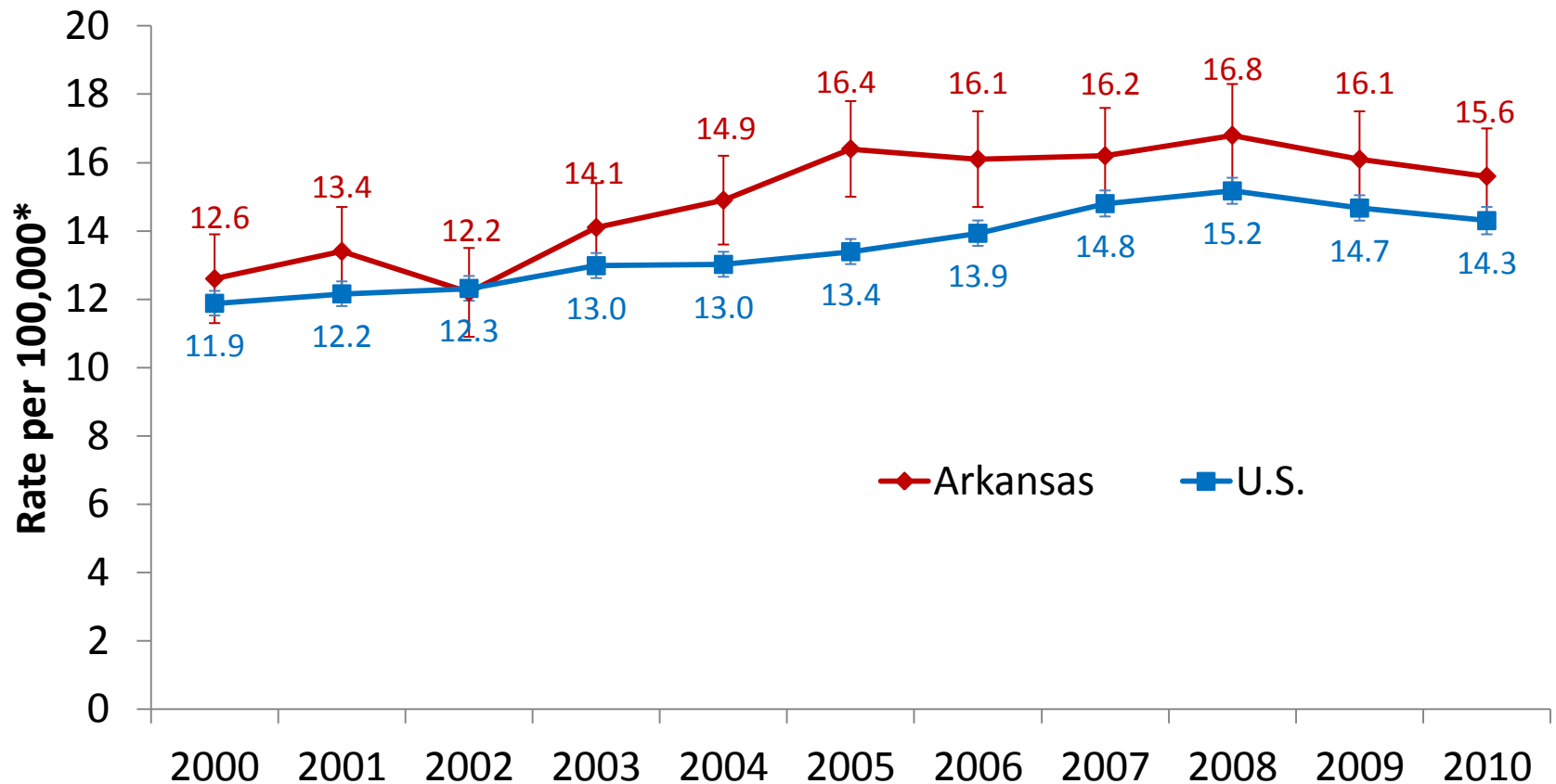*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Thyroid Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
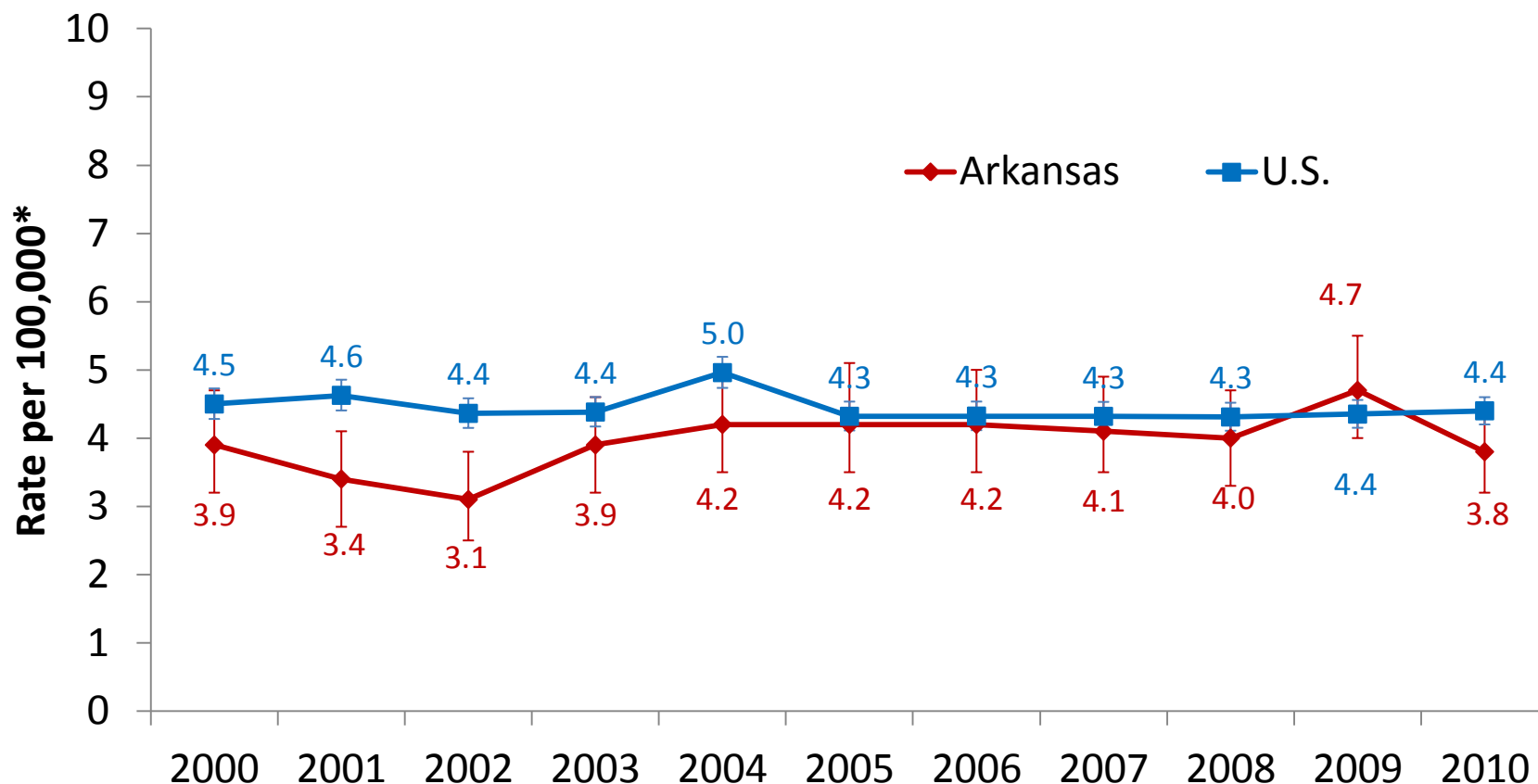*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Cancer of the Kidney and Renal Pelvis, Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
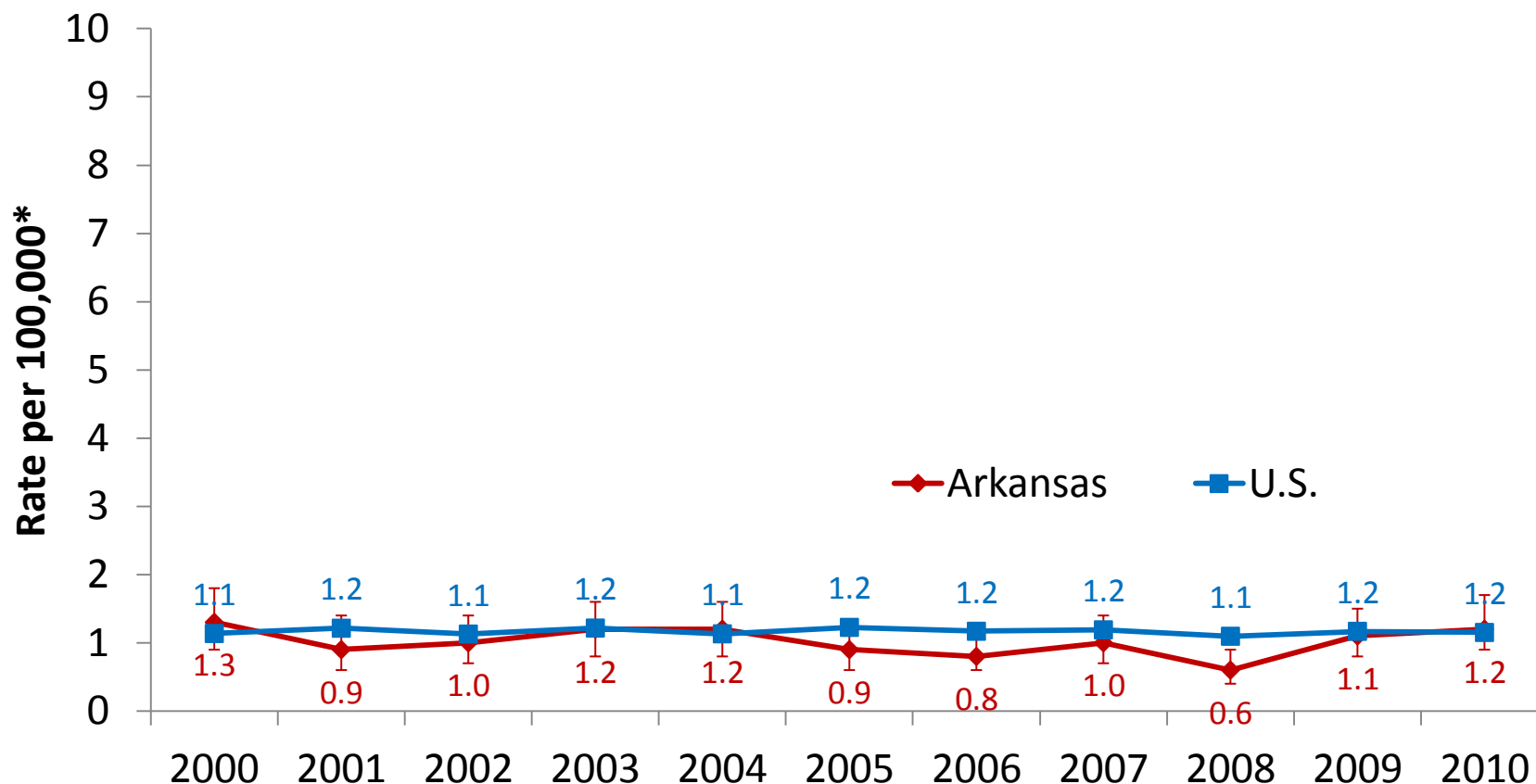*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Esophageal Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
*Age-Adjusted to the 2000 U.S. Standard Population

Age-Adjusted Incidence Rates of Gall Bladder Cancer Arkansas and U.S., 2000-2010

Sources: Arkansas Central Cancer Registry and SEER
*Age-Adjusted to the 2000 U.S. Standard Population

SECTION V.   DATA SOURCES AND DESCRIPTIONS

Data Sources

- Arkansas Health Statistics Branch, Arkansas Department of Health

- Behavioral Risk Factor Surveillance System (BRFSS)*

- Youth Risk Behavior Survey (YRBS)*

- Arkansas Youth Tobacco Survey (YTS)*

- Arkansas Center for Health Improvement (ACHI)

- Pediatric Nutrition Surveillance System (PedNSS)

- Arkansas Central Cancer Registry (ACCR)

- Surveillance, Epidemiology, and End Results (SEER)

*Indicates self-reported data

Data Source Descriptions

- Arkansas Health Statistics Branch, Arkansas Department of Health

  - The Health Statistics Branch provides a variety of data concerning the health of Arkansans. The Vital Statistics Section reports information on all vital events: birth, death, marriage, divorce, fetal deaths, and induced terminations of pregnancies. The Hospital Discharge Section reports on all inpatient and emergency department discharges in Arkansas hospitals and information on health professional manpower. The Registry Section collects and reports on all known cases of cancer, tuberculosis, and sexually transmitted diseases, including HIV, AIDS, syphilis, and gonorrhea. The Survey Section conducts scientifically based telephone and pencil and paper surveys of health behaviors and conditions.

- Behavioral Risk Factor Surveillance System (BRFSS)*

  - The Behavioral Risk Factor Surveillance System is a standardized, random telephone health survey conducted by each of the 50 states, Washington, D.C., and three U.S. territories under the guidance of the Centers for Disease Control and Prevention (CDC). Arkansas BRFSS contracts with an outside agency to conduct the survey, using a Computer-Aided Telephone Interviewing System. Respondents are selected using a "Disproportionate Stratified Random Sampling" design using a two-stage process. First, a telephone number is randomly selected from listed and unlisted telephone numbers. Second, according to BRFSS protocol, when a residence is selected, a random household member (age 18 or older) is chosen for interview.

- Youth Risk Behavior Survey (YRBS)*

  – The CDC's Youth Risk Behavior Survey is the only surveillance system designed to monitor a wide

  range of priority health risk behaviors – unintentional injuries and violence; tobacco, alcohol, and

  other drug use; sexual behaviors that contribute to unintended pregnancy and sexually transmitted

  diseases, including HIV infection; unhealthy dietary behaviors; physical inactivity; obesity; and asthma

  – among high school students. It uses a stratified random sample of schools and students at both the

  national and state levels. It is a paper-based classroom survey.

- Arkansas Youth Tobacco Survey (YTS)*

  – The Youth Tobacco Survey is similar to the YRBS. However, the YTS includes middle school students

  and focuses more on tobacco-related issues. The YTS was last conducted in Arkansas in 2010.

- Arkansas Center for Health Improvement (ACHI)
  - The Arkansas Center for Health Improvement is a nonpartisan, independent health policy center dedicated to improving the health of Arkansans. At the request of the Arkansas Departments of Education and Health, in the 2003–2004 school year, ACHI created and implemented the BMI screening process for all public school children in the state. To accomplish this, ACHI put together a BMI Task Force in partnership with local school districts, the Arkansas Departments of Education, Health and Human Services, staff from Arkansas Children's Hospital, and the UAMS College of Public Health. In 2007, during the 86th Arkansas General Assembly, Act 201 was passed to strengthen the protocol followed by school and nursing staff in performing the assessment, require parents to advise schools in writing if they do not wish to have their child's BMI assessed, and change the periodicity of assessments to even grades (kindergarten through grade 10). ACHI continues to work closely with the Arkansas Departments of Education and Health to facilitate BMI data collection, conduct analyses, and deliver reports.

- Pediatric Nutrition Surveillance System (PedNSS)

  – The Pediatric Nutrition Surveillance System is a child-based public health surveillance system that describes the nutritional status of low-income U.S. children who attend federally-funded maternal and child health and nutrition programs. PedNSS provides data on the prevalence and trends of nutrition-related indicators. The CDC discontinued PedNSS at the end of 2012.

- **Arkansas Central Cancer Registry (ACCR)**

  - The Arkansas Central Cancer Registry is a population-based registry whose goal is to collect timely and complete data on all cancer cases diagnosed in the state. The registry is located within the Center for Public Health Practice of the Arkansas Department of Health, and is responsible for maintaining a statewide cancer incidence reporting system; monitoring data accuracy, reliability, and completeness through systematic quality assurance procedures; analyzing cancer incidence and mortality data; disseminating cancer information; and facilitating studies related to cancer prevention and control.

- **Surveillance, Epidemiology, and End Results (SEER)**

  - The Surveillance, Epidemiology, and End Results Program of the National Cancer Institute provides cancer incidence and survival statistics in an effort to reduce the burden of cancer among the U.S. population. SEER collects and publishes data from population-based cancer registries.

*Indicates self-reported data

The End